

CGCGTTTGGTTGCTCGCTCCACCCCGGAGACCTGGTGTGGTGGAGAAATTTGAA
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10 GCACTCGAGCTCATGTCTTCCAAATTGACCCAAACACAAAGAAGAACTGGGTAC
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20 CCTCAAAGGAAATAATGCCAAACTCACTGCAGCCCTGCTGGAGTCCACTGCCAAT
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25 ACTACAAGAACAGAGGGATTCTTTGACTCAGAAACTACAGGAAGTAGAAATTCTG
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 30 AGAATGTACTTTATCTTTTTTCTCCAGTCTTTTACAGATATTTAAAAGCATTTA
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 35 CAGCACCATCATAGATTTGATGTTCTGCTGTCATTGNACTGTTGGGAAGCAGTTA
 GAGGAAAAGCTCACTTTTTTTTTCAGGTGGAAATAAAAGGAACACTCAAAATTA
 AGCCAACACCACCCTACCTTTAAAAACTAGTTTATTTGCCCTGTTAAAATTA
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SEQ ID NO: 654

>21590 BLOOD INCYTE_3985758H1

GCNACGGTTGGCGCTCGNCCTGGAGCCTGCCCTGGCGTNCCCCCGCGGGCGCAG
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 45 NCCTGGAGATGCTGATCGGGACCCCCCGCAGAAGCTACAGATTCTCGTTGACA
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SEQ ID NO: 655

>21591 BLOOD 404604.3 AF122922 g4585369 Human Wnt inhibitory factor-1 mRNA,
complete cds. 0

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GAGGAGGTCCTGAGCAGCATGGCCCGGAGGAGCGCCTTCCCTGCCGCCGCGCTC
TGGCTCTGGAGCATCCTCCTGTGCCTGCTGGCACTGCGGGCGGAGGCCGGGCCGC
CGCAGGAGGAGAGCCTGTACCTATGGATCGATGCTCACCAGGCAAGAGTACTCA
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10 ACATGATTTTCAGAAAAGCGCAACAGAGAATGCCAGCTATTCTGTCAATATCCAT
TCCATGAATTTTACCTGGCAAGCTGCAGGGCAGGCAGAATACTTCTATGAATTCC
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CTTGAAAACAGGATGGGGTGGCAGCATTTGAAGTGGATGTGATTGTTATGAATT
15 CTGAAGGCAACACCATTCTCCAAACACCTCAAAATGCTATCTTCTTTAAACATG
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20 TTTAATGGAGGGACCTGTTTCTACCCTGGAAAATGTATTTGCCCTCCAGGACTAG
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CAACAAATGCCAATGTCAAGAAGGTTGGCATGGAAGACACTGCAATAAAAGGTA
25 CGAAGCCAGCCTCATACATGCCCTGAGGCCAGCAGGCGCCAGCTCAGGCAGCA
CACGCCTTCACTTAAAAAGGCCGAGGAGCGGCGGGATCCACCTGAATCCAATTA
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30 TTTAAGTTTTCTAAGTACGTCTGTAGCATGATGGTATAGATTTTCTTGTTTCAGTG
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35 TGTTACATTTTAAAAAATTGCTCTTAATTTTTAAACTCTCAATACAATATATTTTG
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CAGCTCTTACCTAATAAACATTTTATACTGTTTGTATGTATAAAATAAAGGTGCT
40 GCTTTAGTTTTCTGAGCATTGTGTGGAGGTNANCTTTGCACATGCTATCTTATGAA
AATAAAATTGGTTGCAATTTAGTGGT

SEQ ID NO: 656

>21600 BLOOD 480735.6 U60477 g1575342 Human apolipoprotein AI regulatory protein-
1/chicken ovalbumin upstream promoter transcription factor II (TFCOUP2) gene, complete
cds. 0

45 CATCGAGTGCGTGGTGTGCGGAGACAAGTCGAGCGGCAAGCACTACGGCCAGTT
CACGTGCGAGGGCTGCAAGAGCTTCTTCAAGCGCAGCGTGCGGAGGAACCTGAG
CTACACGTGCCGCGCCAACCGGAAGTGTCCCATCGACCAGCACCATCGCAACCA

GTGCCAGTACTGCCGCCTCAAAAAGTGCCTCAAAGTGGGCATGAGACGGGAAGG
 TATCGGCCTCTCATTTCTCCTTCCCTCGTCCTGGGTCCCGGGGTCTTGGGTACGTT
 TGGCTAGCCTGCTCTGGGTAAGGACAAGAAGCCCCAAGCTCTTCTCTTCGTATTG
 CAGCGGAAAAGGGTTTTATACTAGAAGCGAGTTCTGCATTGGAACCCAGACCCC
 5 AAATCCGCATGCTTTGGCCGACTGATTTCCCTTCTTTACTCTCTCTTTGGGCTGTTTC
 CATTTCCCTTTGCATTGATTGTGAGTTCAGTGGAGTCTGCCTTTCTGCAAGGGATGG
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10 SEQ ID NO: 657

>21611 BLOOD INCYTE_4504614H1

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 CCCAGCAGCCTGCCCCCCCCACCTCGTGCCCCCTCGCACAGGAAGTCCCTGCCCA
 15 AGGCCGACTGAGGGGTGGGCTGCAGAACGGGGTGGGAATGGGGGACCTGGGCC
 TCAGGCCTGCTC

SEQ ID NO: 658

>21621 BLOOD 253228.8 Incyte Unique

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 AGCTGGGGAGGGGAGGGGGGCGCAGAAGGCGTGAGTGTGCGCGCGCCCGCATGC
 GGGGGCGTGGCAGTCAACAGCAACAACCCACACGCGCGGCAGGGGCAGAAACTCC
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 25 CAGAGCCTGGCCTGGGAGCCAGGATGGCCATCCACAAAGCCTTGGTGATGTGCC
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 CGGCTGCAGCCAAGGCCTCAACCCCCTGTACTACAACCTGTGTGACCGCTCTGGG
 GCGTGGGGCATCGTCTTGAGGGCCGTGGCTGGGGCGGGCATTGTACACGTTTG
 TGCTACCATCATCCTGGTGGCCAGCCTCCCCTTTGTGCAGGACACCAAGAAACG
 30 GAGCCTGCTGGGGACCCAGGTATTCTTCTTCTGGGGACCCTGGGCTCTTCTGC
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 35 TCACCCTGGTTTCGGGGCAGTGGCGAGGGCGGCCCTCAGGGCAACAGCAGCGCAG
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 40 GCAGCACAAACAGTCCCACCTGGGATGACCCACGCTGGCCATCGCCCTCGCCGCC
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 GCTATGAGACCATCCTGAAAGAGCAGAAGGGTCAGAGCATGTTCTGTGGAGAACA
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 45 CGGGTACAATGGGCAGCTGCTGACCAGTGTGTACCAGCCCACTGAGATGGCCCT
 GATGCACAAAGTTCCGTCCGAAGGAGCTTACGACATCATCCTCCCACGGGGCCACC
 GCCAACAGCCAGGTGATGGGCAGTGCCAACCTCGACCCTGCGGGGCTGAAGACATG
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CGGTCGGATTTGGGGAGGGCCCTGAGGACCTGGCCCCGGGGCAAGGGACTCTCCA
 GGCTCCTCCTCCCCCTGGCAGGCCCAGCAACATGTGCCCCAGATGTGGAAGGGCC
 TCCCTCTCTGCCAGTGTTTGGGTGGGTGTCATGGGTGTCCCCACCCACTCCTCAGT
 GTTTGTGGAGTCGAGGAGCCAACCCCAGCCTCCTGCCAGGATCACCTCGGCGGT
 5 AACTCCAGCCAAATAGTGTTCTCGGGGTGGTGGCTGGGCAGCGCCTATGTTTCT
 CTGGAGATTCTTGCAACCTCAAGAGACTTCCCAGGCGCTCAGGCCTGGATCTTGC
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10 SEQ ID NO: 659

>21628 BLOOD 255990.10 AJ011497 g4128014 Human mRNA for Claudin-7. 0

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 GCTAAGCCGGGTGTCTGTAGCAGAGCCAGAGAACCGGGACACTGAAGAGGGTGC
 15 TGAAGGGGGCGACTCTCAGGGATCGAGCCAGGGCCCCCGAAGGTGGGATCGACC
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 GGGGCTTCCCGGTGTTTCGAGGGAAATCCAGTCCGGAGGGGGCTGACTCGGAGCTT
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 25 CCTGCTGGCTCACCTCCGAGCCACCTCTGCTGCGCACCGCAGCCTCGGACCTACA
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 30 GATTTGCATTACCTGGCCCAAACCTTTTTGTCTCTTTGGGTGACCGGAAAACCTC
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 45 GAGTGTCTAGATGCCTGAAAGGGCCTGGGGCTGAGCTCAGCCTGTGGGCAGGGT
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5

SEQ ID NO: 660

>21631 BLOOD 370788.1 AK000072 g7019922 Human cDNA FLJ20065 fis, clone
COL01613, highly similar to ECLC_BOVIN EPITHELIAL CHLORIDE CHANNEL
PROTEIN. 0

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TGAATAATAATGGCTTTGAAGATATTGTCATTGTTATAGATCCTAGTGTGCCAGA
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15 CCTGAGAATTGGAAGGAAAATCCTCAGTACAAAAGGCCAAAACATGAAAACCAT
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25 CAAAACATAAAGTGCAATTTTAGAAGTACATGGGAGGTGATTAGCAATTCTGAG
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30 CTATTGTAAATAAGCTAATCCAAATAAAAAAGCAGTGATGAAAGAAACACACTCA
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35 AGTAATAGAGATGAGCAAGATAACAGGAGGAAGTCATTTTTATGTTTCAGATGA
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40 GGAACAATAATGGAAAATTTACAGTGGATGCAACTTCCAAAATGGCCTATCTC
AGTATTCCAGGAACTGCAAAGGTGGGCACTTGGGCATACAATCTTCAAGCCAAA
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45 CAATGTGACTGCTTTCATTGAATCACAGAATGGACATACAGAAGTTTTGGAACCTT
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 10 TCCTACTCCTACTCCTGATAAAAGTCATAATTCTGGAGTTAATATTTCTACGCTGG
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 15 ATAAAAACACTCATGGATATGTAAAAACTGTCAAGATTAAAATTTAATAGTTTCA
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 TGATACCTGGTTGTATATTATTTGATGCAACAGTTTTCTGAAATGATATTTCAAAT
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SEQ ID NO: 661

>21656 BLOOD INCYTE_547531H1
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 25 AAAGCTTATGGCTCTGTGATGATATTAGTGACCAGCGGAGATGATAAGCTTCTTG
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 GGGTTCATCTGCAGCCCCAAATCTGGA

SEQ ID NO: 662

>21660 BLOOD 238908.1 AL137516 g6808175 Human mRNA; cDNA DKFZp564M2178
 (from clone DKFZp564M2178); partial cds. 0

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30 SEQ ID NO: 663

>21669 BLOOD 132774.1 Incyte Unique

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SEQ ID NO: 664

>21683 BLOOD 444662.14 Z58148 g1029379 Human CpG island DNA genomic MseI
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SEQ ID NO: 665

35 yp61a02.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:191882 3',
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SEQ ID NO: 666

>21694 BLOOD 029567.1 Incyte Unique

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SEQ ID NO: 667

>21697 BLOOD 350207.6 X69086 g34811 Human mRNA for utrophin. 0

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 5 ACCTACAACATCTGGGGAAGATGTACGAGACTTCACAAAGGTACTTAAGAACAA
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 10 GTCTTTTCTCACTGATAGCAGCTCCACCACAGGAAGTGTGGAAGACGAGCACGCC
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 GAGCAGCTGAAGGACCAGCACCTCCGAAGGGGGCTCCCTGTCTGGTTCACCGCCA
 15 GAGTCGATTATATCTCCCCATCACACGTCTGAGGATTCAGAACTTATAGCAGAAG
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 20 CAGGCAGCGGGAGAGGACCTGCTGGCCCCACCGCACGACACCAGCACGGATCTC
 ACGGAGGTCATGGAGCAGATTCACAGCACGTTTCCATCTTGCTGCCCAAATGTTC
 CCAGGAGGCCACAGGCAATGTGAAGTATTCATCCGGCCAACCAATGTTTCTGAG
 GTACAGTGTTGCCCTTTTCAGCAAAATGCCAATTCCAAAGTTCCATTAAATCAGAAG
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 25 AGTAAAACACTGACTATCCAAAGAGAAATGGATATTTTGTTTTATAATAACCAT
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 30 ATTAACCTTGCACAATTACTTCATTTTTTCTTTGACTCTTTTACCACAATGTTTTGG
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 35 GTAATAAAAAATCCTATAAGCCTAAATGGCATTCTTTTGGGATATTTTCTGTCAT
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 CACTTGAGCATATTTTCATTTTGACACAGAAACAAAATTTAGTACAACCTTTCTT
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 40 ATACCAGAACACATCATTGTCTTTGGTTCCCTTCAAAGAGAATTTTATTGTTGTTT
 TGTATTTTCAAGTCCTTAATAGTTCTTGAAACTCCTAGTTGTTTTCTTGTTGAAAG
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 GTCAGTCTTCTACAGAAGAATGAAATTAATGCTTAGGTGATGGTACCTCCACCT
 45 ACATCTTTTGTAGTGCATTCAATTATGTATTTTGGTTTAGCTTCTGATTTAACATTT
 AATTGATTCAAGTTTAAACATGTTACTTAATTAGCAAATGTAGAGGAACCAAAAAA
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20 TTCTTCCATTTTACATTGCAGGTGTGGCTACCAAGAGCTGGATAACGAGTCCCTC
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25 ACATTTACATTTTTTTTAAAAAAGAATCCTTCATGGGAATATATCCTAATAATC
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TTAATGCCATAAGAAAATGTGGCAATTTTGCAATGAAAAAGATCTACTTATAAA
30 ACTGTTTACAGTATGACTCCAATTATGTAAAAAAGTATACAATACACATATAGG
CATAATGGGGGTGCTTTTTTAAAGGTGGTTACTTCTGGGTGTGATATTATCAGT
AATCATTTTTGCTTTTTTTATACATTTCTGTATTTTTTCAAGTTTTCTATGATGAGTAT
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35 TTTTTGGAATACATATCACTTTGGTAATAAACTTACATTCCCTGTTTTTATACTTGT
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40 TGGAATTATGGTAGTTTAAAGCAGTCCATAGTCTCATCCATCACAAACATGCTG
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CTCCAGAGTCTGTTCTTGAATTCCATTGCAAGAGCTCCAAGTTCTTCTACTTTTCAAGAA
45 GGGATGGGGATCAAGATGAGGGTGTGCACATAAGCTAATTTTCAATATATATCAA
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GCTGTTTATCCTCCAAGAGAGGACGGCTGGTTCCTCATCTCAGTTTCCGTTCTAAA
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GAAGCCGAGCGGTCTGAGCCTTCTGTGGGGCCGGTGGGGTTCTCACTGCGCTGGC
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 GATGGGGTTCATGGCAGAGTTGAATTCAGCAAGGAGAAGGAAGTATTTCTCATA
 GGCCAGCACGTCGCACTGTGGACAGCACACGTCTAGAAGTAACAAAACCAATCC
 5 AGGAGTCCAGCAGATGATAAAGGCCCCAAGCACAAATGACCACAGTCTTCAGAAG
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 10 TGGGTATAGCACCCATAACGATGGCCATAGTCCAGATGACCACAATGACCACCA
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 ATGAGGCCCTGACGAAGGAGCCATGTGCTAACAGTCACTCTCCGAGTATTGGGT
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 15 GCCAGATTAGCCATTAGGTAATAAATAGGAAAATGGAAGCGGCGGTTGACATAG
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 CAGAAATCCATGCTGAGTGCCACAGACCTGGGCAGGAGCTGTTCCTCCAGCGCCG
 25 GACAGCTGGCAGGACTCCGGTGGACGCCCCGGGACGGGGCATTTTCACGTTGTC
 GCTCTCCTCTTCCCACCTTGAAAAGCTCTGGAAAACATCGCGGGGGCCGCAAAACC
 CCGGAAATGTGGC

SEQ ID NO: 668

30 >21707 BLOOD 1147849.1 J03004 g183181 Human guanine nucleotide-binding regulatory
 protein (G) alpha-inhibitory-subunit mRNA, complete cds. 5e-78
 GCTGCACCGTGAGCGCCGAGGACAAGGCGGCGGCCGAGCGCTCTAAGATGATCG
 ACAAGAACCTGCGGGAGGACGGAGAGAAGGCGGCGCGGGAGGTGAAGTTGCTG
 CTGTTGGGTGCTGGGGAGTCAGGGAAGAGCACCATCGTNAAGCAGGTTAGGTCA
 35 TTNCCGGGGTTGTTATTTCCGGGGGGATTTCNCAATACCCNNGGGTTNTCTACAG
 CAACANCATCCAGTCCATCATGGCCATTGTCAAAGCCATGGGCAACCTGCAGATC
 GACTTTGCCGACCCCTCC

SEQ ID NO: 669

40 >25177 BLOOD Hs.227948 gn|UG|Hs#S553844 squamous cell carcinoma antigen=serine
 protease inhibitor [human, mRNA, 1711 nt] /cds=(61,1233) /gb=S66896 /gi=239551
 /ug=Hs.227948 /len=1711
 CTCTCTGCCCACCTCTGCTTCTCTAGGAACACAGGAGTTCCAGATCACATCGAG
 TTCACCATGAATTCAGTCAAGCCAACACCAAGTTCATGTTTCGACCTGTTCC
 45 AACAGTTCAGAAAATCAAAAGAGAACAAACATCTTCTATTCCCCTATCAGCATCAC
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 AACATATCATGTTGATAGGTCAGGAAATGTTTCATCACCAGTTTCAAAAGCTTCTG
 ACTGAATTCAACAAATCCACTGATGCATATGAGCTGAAGATCGCCAACAAGCTCT

TCGGAGAAAAAACGTATCTATTTTTACAGGAATATTTAGATGCCATCAAGAAATT
 TTACCAGACCAGTGTGGAATCTGTTGATTTTGCAAATGCTCCAGAAGAAAGTCGA
 AAGAAGATTAACCTCCTGGGTGGAAAGTCAAACGAATGAAAAAATTAACCACTA
 ATTCCTGAAGGTAATATTGGCAGCAATACCACATTGGTTCTTGTGAACGCAATCT
 5 ATTTCAAAGGGCAGTGGGAGAAGAAATTTAATAAAGAAGATACTAAAGAGGAA
 AAATTTTGGCCAAACAAGAATACATACAAGTCCATACAGATGATGAGGCAATAC
 ACATCTTTTCATTTTGCCTCGCTGGAGGATGTACAGGCCAAGGTCCTGGAAATAC
 CATACAAAGGCCAAAGATCTAAGCATGATTGTGTTGCTGCCAAATGAAATCGATG
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 10 GTTTGCAGAATATGAGAGAGACACGTGTCGATTTACACTTACCTCGGTTCAAAGT
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 TCTGGAGTCCTACACAAGGCCTTTGTGGAGGTTACAGAGGAGGGAGCAGAAGCT
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 15 AGTTCCATTGTAATCACCTTTTCTATTCTTCATAAGGCCAAAATAAGACCAACAG
 CATCCTCTTCTATGGCAGATTCTCATCCCCGTAGATGCAATTAGTCTGTCACTCCA
 TTTGGAAAATGTTACCTGCAGATGTTCTGGTAAACTGATTGCTGGCAACAACAG
 ATTCTCTTGGCTCATATTTCTTTTCTTTCTCATCTTGATGATGATCGTCATCATCAA
 GAATTTAATGATTAAAATAGCATGCCTTTCTCTCTTTCTCTTAATAAGCCACATA
 20 TAAATGTACTTTTTCTTCCAGAAAAATTCTCCTTGAGGAAAAATGTCCAAAATAA
 GATGAATCACTTAATACCGTATCTTCTAAATTTGAAATATAATTCTGTTTGTGACC
 TGTTTTAAATGAACCAAACCAAATCATACTTTTCTTTGAATTTAGCAACCTAGA
 AACACACATTTCTTTGAATTTAGGTGATACCTAAATCCTTCTTATGTTTCTAAAT
 TGTGATTCTATAAAACACATCATCAATAAAATAGTGACATAAAATCAAAAAA
 25 AAAAAAAAAA

SEQ ID NO: 670

yc03e09.s1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:79624 3', mRNA
 sequence gi|666284|gb|T62627.1|T62627[666284]

30 TTTAGANACATTTGCTTNCCCATCCCAAATTAACCTATGCAAATTAATTGTTTTGAA
 GATGCCATNCCAAATGTGGAGGTGCTCATGAGCTTGGAAACTCAGAAGCTCTAA
 GGTGAGCCTCCAGACAGGGAGAGTCTGCAACATGGTGACTGAGAGGGTAGTAGA
 AATTCACCTTGCTATNTAACTCTCTCTNGAGATTTATTCTTGGAGGACAGAGCAAA
 AGTCCACTCTTCAGCAGCTCTCCGAGGGTCATTCTTCACAACGTATATTCGTTT
 35 CCAGTTCTTTGCGTTCCTTCCTTTTCTTCGACTTCAAATTCATTTGGTGTAAACCA
 AGTTCCATCCTCATTCNGAATGCACTTCACTGAGGATCCCGTGTTTCATTTTCTT
 CTTATATAAAAANCCCTTTTCGCTCACCACAGGTCACGGGGGAGCTTNGGAACAGT
 GAAAATCCACAGTGTCACCTTTGGGGTTTTCTCTTCGGGTGAATATTTTCTGAA
 ATCTCCTTTTTGAGCTTGGACAGATATCTTGNTCCTTTGNCT

40

SEQ ID NO: 671

ys88a08.s1 Soares retina N2b5HR Homo sapiens cDNA clone IMAGE:221846 3' similar to
 SP:HTLF_HUMAN P32314 HUMAN T-CELL LEUKEMIA VIRUS ENHANCER

FACTOR ;contains MER22 repetitive element ;, mRNA sequence

45 gi|1064703|gb|H84982.1|H84982[1064703]
 GCTCCCCAGTGGTCAGCGGAGACCCCAAGGAGGATCACAACCTACAGCAGTGCCA
 AGTCCTCCAACGCCCCGGAGCACCTCGCCACACGAGCGACTCCATCTCCTCCTCCTC
 CTCCTCAGCCGACGACCACTATGAGTTTGCCACCAAGGGGAGCCAGGAGGGCAG
 CGAGGGCAGCGAGGGGAGCTTCCGGAGCCACGAGAGCCCCAGCGACACGGAAG

AGGACGACAGGAAGNACAGCCAGAAGGAGCCCAAGGATTTTTTNGGGGACAGC
GGGTACGATTNCC

SEQ ID NO: 672

5 yq55b04.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:199663 5'
similar to SP:SISD_HUMAN P13501 T-CELL SPECIFIC RANTES PROTEIN
PRECURSOR ;, mRNA sequence gi|982328|gb|R96668.1|R96668[982328]
NCGCCAGGAGTCCTCGGCCAGCCCTGCCTGCCACCAGGAGGATGAAGGTCTC
CGTGGCTGCCCTCTCCTGCCTCATGCTTGTTGCTGTCCTTGGATCCCAGGCCAGT
10 TCACAAATGATGCAGAGACAGAGTTAATGATGTCAAAGCTTCCACTGGAAAATC
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CAAAGCATCCCGTGTTCATCATGAAAAGTTATTTTGAAACGAGCAGCGAGTGCT
CCAAGCCAGGGTGTTCATATTCCTACCAAGAAGGGGCGGCAAGTCTGTGCCAAA
CCCAGTGGGTCCGGGAGTTCAGGATTGGCATGGAAAAAGCTTNAAGCCCTAATT
15 CAATATTANTAATTAAAGGAGGACANAAGAGGGCCAGCNCACCCACCTCCAACA
CTTCNTGAGGCTTTGGAAGG

SEQ ID NO: 673

20 zt20b07.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:713653 3'
similar to TR:G577291 G577291 MRNA ;contains element MER28 repetitive element ;,
mRNA sequence
gi|1928812|gb|AA284495.1|AA284495[1928812]
CCGCCTCCTTTGCCGGGGTACACCTGGCCCAACAAGAGACCTTCAGCACTGTCTGAA
CTTCTCAAAGATAGACCGGGGCATAGCCTGAAAGCATATTGAAAATGACGAAAA
25 AAGGGAAGACTCTCATGATGTTTGTCACTGTATCAGGAAGCCCTACTGAGAAGG
AGACAGAGGAAATTACGAGCCTCTGGGAGGGCAGCCTTTTCAATGCCAACTATG
ACGTCCAGAGGTTTATTGTGGGATCAGACCGTGCTATCTTCATGCTTCGCGATGG
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30
SEQ ID NO: 674
>L01639
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35 TTTCCGTGAAGAAAATGCTAATTTCAATAAAAATCTTCCTGCCACCCTACTCC
ATCATCTTCTTAACCTGGCATTGTGGGCAATGGATTGGTCATCCTGGTCATGGGTT
ACCAGAAGAACTGAGAAGCATGACGGACAAGTACAGGCTGCACCTGTCAAGTGG
CCGACCTCCTCTTTGTACACGCTTCCCTTCTGGGCAGTTGATGCCGTGGCAAACCT
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40 CTACAGCAGTGTCTCATCCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATC
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45 TATTGTCATCCTGTCTGCTATTGCATTATCATCTCCAAGCTGTACACTCCAAGG
GCCACCAGAAGCGCAAGGCCCTCAAGACCACAGTCATCCTCATCCTGGCTTTCTT
CGCCTGTTGGCTGCCTTACTACATTGGGATCAGCATCGACTCCTTCATCCTCCTGG
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 CACTGAGTCTGAGTCTTCAAGTTTTCACTCCAGCTAACACAGATGTAAAAGACTT
 TTTTTTTATACGATAAATAACTTTTTTTTAAAGTTACACATTTTTCAGATATAAAAG
 5 ACTGACCAATATTGTACAGTTTTTATTGCTTGTTGGATTTTTGTCTTGTTGTTCTTT
 AGTTTTTGTG

SEQ ID NO: 675

> Human tumor necrosis factor receptor 2 (TNFR2) gene, exon 10 and complete cds

10 gi|1469539|gb|U52165.1|HSTNFR2S10[1469539]
 TCTTGGTCTCGGCTCCTGGCCCCAGTGCTCTTTCCCATGTGTCTGAATCTGCATCTT
 GGGCAGGGGTCCCTGGGCCCCACTCCTGGACCCCGGACTGACCCCAACCCATC
 TTGTGCTTAGCAGATTCTTCCCCTGGTGGCCATGGGACCCAGGTCAATGTCACCT
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 15 CAGCTCCACAATGGGAGACACAGATTCCAGCCCCTCGGAGTCCCCGAAGGACGA
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 GCTGGGATGAAGCCCAGTTAACCAGGCCGGTGTGGGCTGTGTCGTAGCCAAGGT
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 TCTGCTGCCAGCCTGGCTTCTGGAGCCCTTGGGTTTTTTGTGTTGTTGTTGTTGTTG
 25 TTTGTTTCTCCCCCTGGGCTCTGCCCAGCTCTGGCTTCCAGAAAACCCCAAGCATCC
 TTTTCTGCAGAGGGGCTTTCTGGAGAGGAGGGATGCTGCCTGAGTCACCCATGAA
 GACAGGACAGTGCTTCAGCCTGAGGCTGAGACTGCGGGATGGTCCTGGGGCTCT
 GTGTAGGGAGGAGGTGGCAGCCCTGTAGGGAACGGGGTCCCTCAAGTTAGCTCA
 GGAGGCTTGGAAAGCATCACCTCAGGCCAGGTGCAGTGGCTCACGCCTATGATC
 30 CCAGCACTTTGGGAGGCTGAGGCGGGTGGATCACCTGAGGTTAGGAGTTTCGAGA
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 35 GCACCGCCTCCAAATGCTAACTTGTCTTTTGTACCATGGTGTGAAAGTCAGATG
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 40 TGCTGTCCTAGGCCACACCATCTCCTTTCAGGGAATTTTCAGGAACTAGAGATGAC
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 45 TGGCCTGCCTTGAAGCCACTGAAGCTGGGATTCTCCCCATTAGAGTCAGCCTTC
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5 TCAGACTGCTGGGACTGGCCAGGTTTCTGCCCCACATTGGACCCACATGAGGACAT
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GGCATCACAGGGCAGAGCCGGGAAGCGATGAATTTGGAGACTCTGTGGGGCCTT
GGTTCCTTGTGTGTGTGTGTGATCCCAAGACAATGAAAGTTTGCACGTATGC
10 TGGACGGCATTCTGCTTATCAATAAACCTGTTTGTTTTAAAAAAA

SEQ ID NO: 676

>R88734

ANNTNANATTCCATTGAAGGTATTATTTATTTGCAGCTCATCTTAAGTGACAAAA
TTCCATACAGAAGACTATAACAGAAATCATATTTAATATATTTAAATTAATACTT
15 CAAATATCTTTCACATTANGATGATTATCTATTGTGTAAATCTTTCCTAGGTATGT
GTGTCTGTTTCTTGATGTGTAAACCAAACTCTGAAATATTCTCTTGATCTAACTT
TGACTTTTAAAAACTGACATTGTATTGAATTTACATAATTCTCAATCAGAAAAAA
AATTACTGTCAGACTGCAATGCA AGTCTGCCCCAATGAAGGCCG

SEQ ID NO: 677

>AA418689

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25 TCTTTCGGGCCTTGAGTTCCTTCATGGCAATGAGCAGAGGATCTGTCTCCGCCTCC
AGCTCCACCATCACAGGGGACACATCGCAATCTGGAGCGCTCGGGTGCCCAGC
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CCTGCGGTCTGCTCCCCAGAGGAGGNAGTCTCGACATTCTCCTGGCCTTCCTCTTC
GGCATTCTCCAAGTCATCTAGCCCTTCATCCTCCTC
30 CACATCATCAGAGTCGTCGCCATCAAA

SEQ ID NO: 678

>AA455281

TTTTTGGAGGAGTGGCATGGAGTTCTTTAATTTGGAAGGC AAAAGGTTACATTTA
35 ATGAAAGGCAGAGGCTGGATTAATAAATGTTTGTAGAAAGTTGTTCTGACACAC
AGTGAAGTCTGGGCTTTTCTCCTGCATAAAAAGCAGAGCTAGCAGTAAGTGCAA
ATCTGAAGAAAATCCATGTGTCCAATAAGCTGCCATCTCCAGAAGTCTTATCCAG
GAAATTCAAAGAGTGAACATTCTTTTAGTCTCCTACTCCTCAATTAAGTAAATGA
GAATGAGTCAGCCAACAAAGTTCATGACAACAAGGTGCAGGATGGTGCTGGCAA
40 AGAGAAAATCAGCAAAGGCTCGCTCTGGGGAGATGCCTTGGAATCCGCTTTGT
TCTGTGGGTTGATCTGTATTCTCAGGCAAACCGCTAGGATGAAACTCCCCACACA
AGAGATGAAGCCCGAGAGAAAAGAGTTGAAGGGGAAGGTCCC

SEQ ID NO: 679

>H94469

GCAAAACAACATTTATTCTTTTAAAAAATCTATATACATTGCCATACAAAGATAC
CACATTGAAGCAGTTCTCAGGAACCTTCCAGTGAGCCTTCTCTTATAATTGCCCG
AGCAAGATTTCTGTGCCAGAGAAAGTCTCAGCATTTCACCTTGGTGTNCTCTATG
TCATCATCCTGGAGCTGCTCGGTATCAGATTCTCCATGCACAGGTCTTCTTGACGT

CAAGTCCTCCAGACACCGCATCAACTCATAAGTCTGTTCTGCTGAGAAAATCACC
 TGTTTCTGTTCCAAAAGGGGCAAGGCATCTGTCAGCAGAGTTCATCCCAGAAAGA
 CCGAAGGGGCAATCCGAGACGTCATCAAG GACAGAAGGA

5 SEQ ID NO: 680

aa79c05.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:827144 3' similar to
 SW:RLX1_HUMAN P49406 PUTATIVE 60S RIBOSOMAL PROTEIN;; mRNA sequence
 gi|2261786|gb|AA521243.1|AA521243[2261786]

TTTTTTTTTGGTGTACAAGTTTATTTTAGAAAAAAAGTATTAATAAAACAATGA
 10 ATGCTTAGTTCACTTAATTACTATGTTCTTATAAATGAAATTAAATTGGTCTCAAA
 ATATATCCTCTTAGAGCCAATGTATCTTCTGCAACTAACCAAATTCATTCTCAGA
 ATCAAGACCTTTTCGACGCTTCAATTTCCCTTCCATATTGCAGCTTCAATTTTGA
 GTATCATATTCCCTCATCATATCAAATTCAAGCCATGGACTGATTCCACTTCTGAG
 CTTCTTTTCAATTTGCTGTTTCAGTTAAACAAAGATCAAATCTGATTCCCTTTAATATTA
 15 AAATTTGGACGTTCCCAGCGTTTAGACCAGGGCTTAGGCTTCATTTTACTTTCAG
 CTCATTAACAGGAACTTTTGGTTAGGCTCTTGTACTACTGGCTTCATATTCACAT
 CAAAAGTGCTATATTCAGGAAGGGCATCTCGTAAGTATAGCAAGCTATCATCCA
 GCCGTTTCTCTAATTTGACCACCTGAATCTCCTGGACCCGAGGATTATAAAGTTC
 AAAGCAAATCTCGACACCTTGTCTTCGATAACATTCCTAAGGAT GAAAGTAGC

20

SEQ ID NO: 681

Human Thy-1 glycoprotein gene, complete cds
 gi|339682|gb|M11749.1|HUMTHY1A[339682]

GGATCCAGGACTGAGATCCAGAAACCATGAACCTGGCCATCAGCATCGCTCTCCT
 25 GCTAACAGGTACCCGGCATGGGGCAGGACTGGGGCTCCAGGCGCCCTGGCTTCC
 TTCCCTCCAGAGAAGCAGCTTCTCCCTCACAGTCTCAGAAAAGCGCAGGTGACAA
 AGAGAGGGCTCTTTTTCATCCTGAAGTCAGCCGATCCACCGCGCTGATATTCTGA
 CGGCCTGAGGTGGTTTTTGGAAACACAGTTTGTCTGAGCCCTCCTTCACACTATTG
 AACTAGAATCCCCAACTGAGAACCCAGGAACCAGCATCAACTCCCTAAGATCTC
 30 CTGTCCTTGAAACACATTGATAGGATCCAAGGCTCAAGCAGAGTGGGGAGGGAG
 GCTGGGGTCTGCAAAGGAGAAGTGGGATCCCTGGGGTG421GGGAAAGGCACTC
 AGAGAGCAGACCCCGGTCCCCTCCCTAGCCAGGCCCATCTCTCCACTTCAGGTGG
 GTGGGAGGCCCTGTGCCGCAGGCCCTCCAGTTTGAAGGAGGCACTGCTGGTG
 CCAGTCTTGCAGGTCTCCCGAGGGCAGAAGGTGACCAGCCTAACGGCCTGCCTA
 35 GTGGACCAGAGCCTTCGTCTGGACTGCCGCCATGAGAATACCAGCAGTTCACCCA
 TCCAGTACGAGTTCAGCCTGACCCGTGAGACAAAGAAGCACGTGCTCTTTGGCAC
 TGTGGGGGTGCCTGAGCACACATACCGCTCCCGAACCAACTTCACCAGCAAATA
 CCACATGAAGGTCCTCTACTTATCCGCCTTCACTAGCAAGGACGAGGGCACCTAC
 ACGTGTGCACTCCACCACTCTGGCCATTCCCCACCCATCTCCTCCCAGAACGTCA
 40 CAGTGCTCAGAGGTGAGACAAGCCCCTAACAAGGTCAAGTGAGCTGGGAGAGCC
 AGGCTCGGGGACAGCAGGCAGTTCCCTTGGCTGGACTAGAGAGGAGAATAGCCC
 CATAACGCTCTCACCTCTCCCAACTGCTGCCTGGTCAACTGGGGAACCATTTGCC
 TTCGGTGTGAATGGGGTGAAGAGCTCAGGGCCAGACAGGCAGAGCAGTGTGGTT
 CCACCAGAACTGTGGGCAAGGCCTTTGGCCCCTAATCTTCCTTCTCCCAGCGGGA
 45 AACAGGGATGACACCACCTCCCTCAGCCAGTTTCTTGTTCATGATGTTTAGTAAG
 GTTTTCATAAGATGATATGTGTGCAAGAGATCAGTAATCTGCAAATGGGAAAGA
 TGGCTGGTTCTGTGAGACCAGGCTGTTCTGGTCCCAGCTAAGACATTGCAGTAC
 CCACCTCCCAAAGGGAGTACACCCTTGCTTTGGGCCTGTGCCTGCCTGAGTCCTG
 ATCCGTCTTCCTTCTACCTGCCCCCGGCCCTTCTCTTCTGCAGACAAACTG

GTCAAGTGTGAGGGGCATCAGCCTGCTGGCTCAGAACACCTCGTGGCTGCTGCTGC
 TCCTGCTGTCCCTCTCCCTCCTCCAGGCCACGGATTTTCATGTCCCTGTGACTGGTG
 GGGCCCATGGAGGAGACAGGAAGCCTCAAGTTCCAGTGCAGAGATCCTACTTCT
 CTGAGTCAGCTGACCCCTCCCCCAATCCCTCAAACCTTGAGGAGAAGTGGGGA
 5 CCCCACCCCTCATCAGGAGTTCCAGTGCTGCATGCGATTATCTACCCACGTCCAC
 GCGGCCACCTCACCTCTCCGCACACCTCTGGCTGTCTTTTGTACTTTTGTTC
 AGAGCTGCTTCTGTCTGGTTTATTTAGGTTTTATCCTTCCTTTTCTTTGAGAGTTTCG
 TGAAGAGGGAAGCCAGGATTGGGGACCTGATGGAGAGTGAGAGCATGTGAGGG
 GTAGTGGGATGGTGGGGTACCAGCCACTGGAGGGGTTCATCCTTGCCCATCGGGA
 10 CCAGAAACCTGGGAGAGACTTGGATGAGGAGTGGTTGGGCTGTGCTGGGCCTAG
 CACGGACATGGTCTGTCCTGACAGCACTCCTCGGCAGGCATGGCTGGTGCCTGAA
 GACCCAGATGTGAGGGCACCACCAAGAATTTGTGGCCTACCTTGTGAGGGAGA
 GAACTGAGGATCTCCAGCATTCTCAGCCACAACCAAAAAAAAAATAAAAAGGGCA
 GCCCTCCTTACCACTGTGGAAGTCCCTCAGAGGCCTTGGGGCATGACCCAGTGAA
 15 GATGCAGGTTTGACCAGGAAAGCAGCGCTAGTGGAGGGTTGGAGAAGGAGGTA
 AAGGATGAGGGTTCATCATCCCTCCCTGCCTAAGGAAGCTAAAAGCATGGCCCT
 GCTGCCCCTCCCTGCCTCCACCCACAGTGGAGAGGGCTACAAAGGAGGACAAGA
 CCCTCTCAGGCTGTCCCAAGCTCCCAAGAGCTTCCAGAGCTCTGACCCACAGCCT
 CCAAGTCAGGTGGGGTGGAGTCCCAGAGCTGCACAGGGTTTGGCCCAAGTTTCT
 20 AAGGGAGGCACTTCCTCCCTCGCCCATCAGTGCCAGCCCCTGCTGGCTGGTGCC
 TGAGCCCCTCAGACAGCCCCCTGCCCCGCAGGCCTGCCTTCTCAGGGACTTCTGC
 TGGGGCCTGAGGCAAGCCATGGAGTGAGACCCAGGAGCCGGACACTTCTCAGGAA
 ATGGCTTTTCCCAACCCCCAGCCCCACCCGGTGGTTCTTCCTGTTCTGTGACTGT
 GTATAGTGCCACCACAGCTTATGGCATCTCATTGAGGACAAAGAAAAGTGCACA
 25 ATAAAACCAAGCCTCTGGAATCTGTCCTCGTGTCCACCTGGCCTTCGCTCCTCCA
 GCAGTGCTGCCTGCCCCCGCTT

SEQ ID NO: 682

yw08h11.s1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:251685 3',
 mRNA sequence gi|1110224|gb|H96738.1|H96738[1110224]
 30 TAAAAANAAATCTTTTTTATTTCAAAGATTGCTTCTTATATTGAAGCTCATATTA
 AAGCAACAGTACAATGTTTCATAAAATATAAGTGTGATGCCGTAACATTTTCTTAC
 ATGTCAGAATACTGATATTTATATGTATACTAAAATAAGAACTTTAAAATTGTAC
 AAATAGATACATTAAAAATGACATAGAAATAGGGCGTCTCTCACTGAAACAAGA
 35 CAGTTATATCTGGCACGTATTAGTTTAAGATGAAAGTAGAAGCAAAAAGATTTAC
 AAGAATCAGCAGTAACAAGATTGATGCTCAAGAGACATAATTGTACATTGTATT
 GTACATACATTGTATGGGTTTAAGCTGGCTGGAATATTATATATTTCCAAGTTTAA
 AAAATGGCNCTACCANATAGAGTGGTCCNGAGTTTAAGGCGAAATTACAGCTCA
 GAACTGTTGTCCCTTCNAATTTTGGTGG
 40

SEQ ID NO: 683

Human integral membrane serine protease Seprase mRNA, complete cds
 gi|1924981|gb|U76833.1|HSU76833[1924981]
 45 CCACGCTCTGAAGACAGAATTAGCTAACTTTCAAAAACATCTGGAAAAATGAAG
 ACTTGGGTAAAAATCGTATTTGGAGTTGCCACCTCTGCTGTGCTTGCCTTATTGGT
 GATGTGCATTGTCTTACGCCCTTCAAGAGTTCATAACTCTGAAGAAAATACAATG
 AGAGCACTCACACTGAAGGATATTTTAAATGGAACATTTTCTTATAAAACATTTT
 TTCCAAACTGGATTTTCAAGGACAAGAATATCTTCATCAATCTGCAGATAACAATAT
 AGTACTTTATAATATTGAAACAGGGCAATCATATACCATTTTGGAGTAATAGAACC

ATGAAAAGTGTGAATGCTTCAAATTACGGCTTATCACCTGATCGGCAATTTGTAT
 ATCTAGAAAGTGATTATTCAAAGCTTTGGAGATACTCTTACACAGCAACATATTA
 CATCTATGACCTTAGCAATGGAGAATTTGTAAGAGGAAATGAGCTTCCTCGTCCA
 ATTCAGTATTTATGCTGGTCGCCTGTTGGGAGTAAATTAGCATATGTCTATCAAA
 5 ACAATATCTATTTGAAACAAAGACCAGGAGATCCACCTTTTCAAATAACATTTAA
 TGGAAGAGAAAATAAAATATTTAATGGAATCCCAGACTGGGTTTATGAAGAGGA
 AATGCTTGCTACAAAATATGCTCTCTGGTGGTCTCCTAATGGAAAATTTTGGCA
 TATGCGGAATTTAATGATACGGATATACCAGTTATTGCCTATTCTATTATGGCG
 ATGAACAATATCCTAGAACAATAAATATTCCATACCCAAAGGCTGGAGCTAAGA
 10 ATCCCGTTGTTTCGGATATTTATTATCGATACCACTTACCCTGCGTATGTAGGTCCC
 CAGGAAGTGCCTGTTCCAGCAATGATAGCCTCAAGTGATTATTATTTTCAGTTGGC
 TCACGTGGGTACTGATGAACGAGTATGTTTGCAGTGGCTAAAAAGAGTCCAGA
 ATGTTTCGGTCCTGTCTATATGTGACTTCAGGGAAGACTGGCAGACATGGGATTG
 TCCAAAGACCCAGGAGCATATAGAAGAAAGCAGAACTGGATGGGCTGGTGGATT
 15 CTTTGTTCACACACCAGTTTTCAGCTATGATGCCATTTCTGACTACAAAATATTTA
 GTGACAAGGATGGCTACAAACATATTCATATATCAAAGACACTGTGGAAAATG
 CTATTCAAATTACAAGTGGCAAGTGGGAGGCCATAAATATATTCAGAGTAACAC
 AGGATTCACTGTTTTATTCTAGCAATGAATTTGAAGAATACCCTGGAAGAAGAAA
 CATCTACAGAATTAGCATTGGAAGCTATCCTCCAAGCAAGAAGTGTGTTACTTGC
 20 CATCTAAGGAAAGAAAGGTGCCAATATTACACAGCAAGTTTCAGCGACTACGCC
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 ATGAAATTACTTTATGGTACAAGATGATTCTTCCTCCTCAATTTGACAGATCAAA
 25 GAAGTATCCCTTGCTAATTCAAGTGTATGGTGGTCCCTGCAGTCAGAGTGTAAGG
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 TTGCCTTGGTGGATGGTCGAGGAACAGCTTTCCAAGGTGACAACTCCTCTATGC
 AGTGTATCGAAAGCTGGGTGTTTATGAAGTTGAAGACCAGATTACAGCTGTGAG
 AAAATTCATAGAAATGGGTTCATTGATGAAAAAAGAATAGCCATATGGGGCTG
 30 GTCCTATGGAGGATACGTTTCATCACTGGCCCTTGCATCTGGAAGTGGTCTTTTCA
 AATGTGGTATAGCAGTGGCTCCAGTCTCCAGCTGGGAATATTACGCGTCTGTCTA
 CACAGAGAGATTTCATGGGTCTCCCAACAAAGGATGATAATCTTGAGCACTATAA
 GAATTCAACTGTGATGGCAAGAGCAGAATATTTTCAGAAATGTAGACTATCTTCTC
 ATCCACGGAACAGCAGATGATAATGTGCACTTTTCAGAACTCAGCACAGATTGCT
 35 AAAGCTCTGGTTAATGCACAAGTGGATTTCCAGGCAATGTGGTACTCTGACCAGA
 ACCACGGCTTATCCGGCCTGTCCACGAACCACTTATACACCCACATGACCCACTT
 CCTAAAGCAGTGTTTCTCTTTGTCAGACTAAAAACGATGCAGATGCAAGCCTGTA
 TCAGAATCTGA

40 SEQ ID NO: 684

zw83d07.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:782797 3', mRNA
 sequence gi|2161864|gb|AA448194.1|AA448194[2161864]

TTTTTTTTAAAAAAAATTAATATTTTTATTATATACTTTTAAACATATAGAAGA
 TAGAAAAAACAGTACAATGAACAGCCATGTCCACCAGTTAGATTCTGTAACAT
 45 TTTGCCACATACGCCTCACATACATTTTGTAAACCATTGAAACATTTTAAGACA
 CTCTAACACTTCATTCTAAATGCTTAAGTATGCAAATTAAGACAGTCTTTTATAA
 ACTACAACACCCTTCTCACAGCTCATAAAATTACCAATAATTATCCAATATCATT
 CAAAATCTAATCCACATTCAAATTTTCTCAACTGCCTCACCACCGTGTGGCCTCC

CACCCCCACCTCAGTCTTTTACAGATGGTTTTTCAAATAGAGTCCAGTAAAATA
TTTCACATTGCATTTGGTTATTACATAACTTT TAATCAAGAAGAGTTAC

SEQ ID NO: 685

5 Human gene for preproenkephalin gi|31150|emb|V00509.1|HSENK1[31150]
CCGACCCCTCCCGCGAAGGCGTCGGCGCGGGGCTGGCGTAGGGCCTGCGTCAGC
TGCAGCCCGCCGGCGATTGGGGCGCGCGCGCCTCCTTCGGTTTGGGGCTAATTAT
AAAGTGGCTCCAGCAGCCGTTAAGCCCCGGGACGGCGAGGCAGGCGCTCAGAGC
CCCGCAGCCTGGCCCGTGACCCCGCAGAGACGCTGAGGACCGCGACGGTGAGGC
10 CCTACGTCCGCCAGCACACCCGGGCCCGCTTCTCCCCGACGCCCGCCCTCCTCAC
ACTTGCCTTCTTCTTCCCTCTAGAGTCGTGTCTGAACCCGGCTTTTCCAATTGG
CCTGCTCCATCCGAACAGCGTCAACGTGAGTGAATTTGCCCGAAGCTTGTCTTTG
CTGAGCGGGTTTGGGGACGTCTGCCCCGCCCTCTTTCCTTCACATTTTCATTGCATG
GGTTCCCCAACAGCGTTCCCTGGTTCTTCTTTGTGACCCCAAGTCAATGTCCTGCCT
15 CCCCCGGCTCCCGCTCTCTCGCCCCCTGGTCTGCGGCGTTCTCTCCGGAATCTTGCC
CTGGGCGCGCGACGCCAGGAAAAGAGCCGGGTGCCCCAGGCAGCCTCGCGTTG
GGGGCGACCGCGCCATCCCGGGAACCGCGAGGCGATCTGAGTCGCCTCCACGTC
TACCTAAAAGCTGTCGGCCGGGAGGGCGGGGCCCCAGAAAGGAGCATTCTGCG
GGCTTTTGCTCGACGATCCCCTGCTGAGGCTGTGCGGCGAGGGTCTGCCGAGG
20 GACCCCGTTCTGCGCCAGGCAGGCTCGAAGCACGCGTCCCTCTCTCCTCGCAGT
CCATGGCGCGGTTCTGACACTTTGCACTTGGCTGCTGTTGCTCGGCCCGGGCT
CCTGGCGACCGTGCGGGGCCGAATGCAGCCAGGATTGCGCGACGTGCAGCTACCG
CCTAGTGCGCCCGGCCGACATCAACTTCCTGGTGAGTGTGCGCGCGGGCGAGTGT
TGCGCACCTTGTGAGACAGAGTTTCGG

SEQ ID NO: 686

yi26g12.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:140422 3', mRNA
sequence gi|838397|gb|R65759.1|R65759[838397]

30 AAAATTTTTNTACCGTATTTATTGGTTCAAAAACCTAGAATTTATAGTTTCAGGCA
GATTTCAACCAAAGAGTCACCAAATTAATAACAGGGTAGCTTGTGAGGCATA
GACACAGCCCATGTGTTTTCTCTACATTGTATATTCATTTCTCTTTGGCGATTTG
ACATTATAGCCATTCTCTGGAAGTCCTAAAGCAAACCTAGTATTTTATGTGCCATA
TTAAGTTAAATTTCTTATGTGAGGATAACCACTAATACTGGGTTTTGATTTAGGG
CCATCCTTCTTGCCGGGGGGTATGGACAATGGGGGGCTTGTCTTATGGATTAAG
35 GNCCCTACCCCTGGGGCCAGGTGNTATGGGGGNATTGTAAAACCATGGCCATT
ATTATGGTGGGGGGCCAACCCCCCACCNTGGAAG GGGA

SEQ ID NO: 687

>R91550

40 GGAGGATGTGGGCCACGCAGGGCTGGCGGTGGCGCTGGCTCTGAGCGTGCTGCC
GGGCACCGGGCGCTGCGGCCGGGCGACTGCGAAGTTTGTATTTCTTATCTGGGAA
GATTTTACCAGGACCTCAAAGACAGAGATGTCACATTCTCACCAGCCACTATTGA
AAACGAACCTTATAAAGTTCTGCCGGGAAGCAAGAGGCAAAGAGAATCGGTTGTG
CTACTATATCGGGGCCACAGATGATGCAGCCACCAAAATCATCAATGAGGTATC
45 AAAGCCTCTGGCCCCACCACATCCCTGTGGGAGAAGATCTGTGAGAAGCTTAAG
GAAGAAGGACAGCCAGATATGTGAGCTTAAGTAT GGACAAGCAGATCC

SEQ ID NO: 688

>M94054

GGGCGTGATTTGAGCCCCGTTTTTATTTTCTGTGAGCCACGTCCTCCTCGAGGGG
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CCTTTGCAGCTCTGCGCGCTAGTGCACTGCGCCCCCTCCCGCCGCGGGCCAACAGC
AGCCCCCGCGCGAGCCGCGGGCTCCGGGGCGCCTGGCGCCAGCAGATCCAAT
5 GGGAGAACAACGGGACAGGTGTTTACGCTTGCTGAGCCTGGGCTCACAGTACCAGC
CTCAGCGCCGCGGGACCCGGGCGCCGCGCTCCCTGGTGCAGCCAACGCCTCCG
CCCAGCAGCCCCGCACTCCGATCCTGCTGATCCGCGACAACCGCACCCGCGCGGC
GCGAACGCGGACGGCCGGCTCATCTGGAGTCACCGCTGGCCGCCCCAGGCCAC
CGCCCGTCACTGGTTCCAAGCTGGCTACTCGACATCTAGAGCCCGCGAACGTGGC
10 GCCTCGCGCGCGGAGAACCAGACAGCGCCGGGAGAAGTTCCTGCGCTCAGTAAC
CTGCGGGCCGCCCAGCCGCGTGGACGGCATGGTGGGCGACGACCCTTACAACCCC
TACAAGTACTCTGACGACAACCCCTTATTACAATACTACGATACTTATGAAAGGC
CCAGACCTGGGGGACAGGTACCGGCCCGGATACGGCACTGGCTACTTCCAGTACG
GTCTCCCAGACCTGGTGGCCGACCCCTACTACATCCAGGCGTCCACGTACGTGCA
15 GAAGATGTCCATGTACAACCTGAGATGCGCGGCGGAGGAAAAGTGTCTGGCCAG
TACAGCATACAGGGCAGATGTCAGAGATTATGATCACAGGGTGCTGCTCAGATT
CCCCAAAGAGTGAAAAACCAAGGGACATCAGATTTCTTACCCAGCCGACCAAGA
TATTCCTGGGAATGGCACAGTTGTCATCAACATTACCACAGTATGGATGAGTTTA
GCCACTATGACCTGCTTGATGCCAACACCCAGAGGAGAGTGGCTGAAGGCCACA
20 AAGCAAGTTTCTGTCTTGAAGACACATCCTGTGACTATGGCTACCACAGGCGATT
TGCATGTACTGCACACACACAGGGATTGAGTCCTGGCTGTTATGATACCTATGGT
TGCAGACATAGACTGCCAGTGGATTGATATTACAGATGTAAAACCTGGAAACTAT
ATCCTAAAGGTCAGTGTAACCCCAAGCTAGCTGGTTCCTGAATCTGACTATAGCA
ACAATGTTGTGCGCTGTGACATTCGCTACACAGGACATCATGCGTATGGCTCAGG
25 CTGCACAATTTACCCGTATTAGAAGGCAAAGCAAACCTCCCAATGGATAAATCA
GTGCCTGGTGTCTGAAGTGGGAAAAAATAGACTAACTTCAGTAGGATTTATGTA
TTTTGAAAAAGAGAACAGAAAAACAACAAAAGAATTTTGTGTTGGACTGTTTTCAA
TAACAAAGCACATAACTGGATTTTGAACGCTTAAGTCAATCATTACTTGGAAATT
TNTAATGTTTATTATTTACATCAACTTTGTGAATTAACACAGTGTTTCAATTCTGT
30 AATTCATATTTGACTCTTT

SEQ ID NO: 689

Human mRNA for beta-actin gi|28251|emb|X00351.1|HSAC07[28251]

TTGCCGATCCGCGCCCGTCCACACCCGCGCCAGCTCACCATGGATGATGATAT
35 CGCCGCGCTCGTCGTCGACAACGGCTCCGGCATGTGCAAGGCCGGCTTCGCGGG
CGACGATGCCCCCGGGCCGTCTTCCCCTCCATCGTGGGGCGCCCCAGGCACCAG
GGCGTGATGGTGGGCATGGGTGAGAAGGATTCCTATGTGGGCGACGAGGCCAG
AGCAAGAGAGGCATCCTCACCTGAAGTACCCCATCGAGCACGGCATCGTCACC
AACTGGGACGACATGGAGAAAATCTGGCACACACCTTCTACAATGAGCTGCGT
40 GTGGCTCCCGAGGAGCACCCCGTGCTGCTGACCGAGGCCCCCTGAACCCCAAG
GCCAACCGCGAGAAGATGACCCAGATCATGTTTGAGACCTTCAACACCCAGCC
ATGTACGTTGCTATCCAGGCTGTGCTATCCCTGTACGCTCTGGCCGTACCACTG
GCATCGTGATGGACTCCGGTGACGGGGTCACCCACACTGTGCCCATCTACGAGG
GGTATGCCCTCCCCCATGCCATCCTGCGTCTGGACCTGGCTGGCCGGGACCTGAC
45 TGACTACCTCATGAAGATCCTCACCGAGCGCGGCTACAGCTTACCACCAACGGCC
GAGCGGGAAATCGTGCGTGACATTAAGGAGAAGCTGTGCTACGTCGCCCTGGAC
TTCGAGCAAGAGATGGCCACGGCTGCTTCCAGCTCCTCCCTGGAGAAGAGCTAC
GAGCTGCCTGACGGCCAGGTCATCACCATTGGCAATGAGCGGTTCCGCTGCCCTG
AGGCACTCTTCCAGCCTTCCTTCCCTGGGCATGGAGTCCTGTGGCATCCACGAAC

TACCTTCAACTCCATCATGAAGTGTGACGTGGACATCCGCAAAGACCTGTACGCC
 AACACAGTGCTGTCTGGCGGCACCACCATGTACCCTGGCATTGCCGACAGGATGC
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 CTCCTGAGCGCAAGTACTCCGTGTGGATCGGCGGCTCCATCCTGGCCTCGCTGTC
 5 CACCTTCCAGCAGATGTGGATCAGCAAGCAGGAGTATGACGAGTCCGGCCCCCTC
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 TTGTTTTTTTTTGTGTTTTGTTTTGGTTTTTTTTTTTTTTTGGCTTGACTCAGGATTAA
 AAAGTGAACGGTGAAGGTGACAGCAGTCGGTTGGAGCGAGCATCCCCAAAGT
 10 TCACAATGTGGCCGAGGACTTTGATTGCACATTGTTGTTTTTTAATAGTCATTCC
 AAATATGAGATGCATTGTTACAGGAAGTCCCTTGCCATCCTAAAAGCCACCCAC
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 AGCATTGCTTTCGTGTAAATTATGTAATGCAAAATTTTTTTAATCTTCGCCTTAAT
 ACTTTTTTATTTTGTGTTTTATTTTGAATGATGAGCCTTCGTGCCCCCCTTCCCCCTT
 15 TTTGTCCCCCAACTTGAGATGTATGAAGGCTTTTGGTCTCCCTGGGAGTGGGTGG
 AGGCAGCCAGGGCTTACCTGTACACTGACTTGAGACCAGTTGAATAAAAGTGCA
 CACCTTA

SEQ ID NO: 690

20 >AA435938

TTTCATGCTCATTGCTGTTTATTGAAACAAAAGAATCAGAAGAAGATCAGAATGA
 AGACAATAATAAAAAAGCAGAAGCAGAAGTACAAGAAGAATAAAGAAAAGAAAGG
 GAAAGAATTGTAGGAAGGAAAAAAGTTGTAGAAGTAGAGGGTGGAGAGTGGGAA
 GAGGTGGAGTATGATGGGAGTCCGATCTTTTCCATCTGGGCTTTCAGACAATGG
 25 GATATGTCATGGAAGGCTTCTTTAAACACCAGAAGAAATTCAGGATAAAGCTCA
 AAAAGAGCAGGCAATCGATAGGGGTGAAAATCCACTCAGTAGGCCACGGAAG
 GACTTCAAGAAGGTTGATCGTTCTGTGCTGGATGTTGTAGGTGTCCTACGTGAA
 GGCAATCGACATCTGGATGGCTGTGTGTCTGCTCTTTGTGTT
 CGCTGCCTTGCTGGAG

30

SEQ ID NO: 691

>AA443497

TCCAAGGTCATGGCAAAACATCTGAAGTTCATCGCCAGGACTGTGATGGTACAG
 GAAGGGAACGTGGAAAGCGCATAACAGGACCCTAAACAGAATCCTCACTATGGAT
 35 GGGCTCATTGAGGACATTAAGCATCGGCGGTATTATGAGAAGCCATGCCGCCGC
 GACAGAGGGAAAGCTATGAAAGGTGCCGGCGGATCTACAACATGGAAATGGCTC
 GCAAGATCAACTTCTTGATGCGAAAGAATCGGGCAGATCCGTGGCAGGGCTGCT
 GAGGCCTGTGGGTGGGACACCAGTGCGAAACCCTCATCCAGTTTTCTCTCCATCT
 CTTTTCTTTGTACAATCCCATTTCTATTACCATTCTCTGCAATAAACTCAAATCA
 40 CATGTCTGC

SEQ ID NO: 692

zfl17e01.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:377208 3',
 mRNA sequence gi|1547536|gb|AA055198.1|AA055198[1547536]

45 CACCTTAAAACTAGGTTTCTATTTCTGGTTAGATTCTAGAGCAGTGGAAGTACAG
 GAGTGATACTATACCCTACCCAGTCCCACCACAGCCTGCCTCCTTCCCTCCACAG
 AGATAACATTGTACAAAAGTATTTACAAGAAAACCAATTAATAAAGGGT
 GTGTGCAAAAGTAGACAGGAGAGTCAAGACATATCAATGCAGGGATGGCTTTGG
 GGAATGGGGGACTCAAGGTTCTACACTGGAACCTGGGG

SEQ ID NO: 693

zt87h10.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:729379 3', mRNA sequence

5 gi|2140847|gb|AA435933.1|AA435933[2140847]
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 ATTCCAGGATTGGTTAATTCAGTAGTTCACCAAAGTCATCAAGGATCCGTCTTTC
 CATCTCCCTTCTCTGCCACCCTCAAGGTTTAAGACGGCTGTTGCAGTTCAGACAT
 10 TATATCAAGATGCAGTATTCACAGAAAGAGGACTGTTCAATTTCTTTACCAGAAGA
 TTCTCCCATATATCATGTGTCTACATCTAAACCAATCACTACTAAGGGGAAATTG
 ACCTACAACATTTGGATTAGACTAATCAAATTTACCTTCTGAGTTAGGCATAGAG
 TCAACTTCTATGAGCACATGGCTGAGCCAAGGATAAGCATTCTGCCAGCAAGAG
 AGGACATAATATGGGTGTGGGATTGGAGATGGGAGAG

15
 SEQ ID NO: 694

yo27c07.s1 Soares adult brain N2b5HB55Y Homo sapiens cDNA clone IMAGE:179148 3', mRNA sequence gi|989944|gb|H50103.1|H50103[989944]

20 AAATTTATCAATGACAAACAGACATAAACTCAAAGTTTGGCTCTTCTGAGGGGC
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 ACACGNCACTTCTAAAGCAACCAGAAGAGGGGACACGAAAGCAAACCTGTACATT
 CACTAGGANTTTGCAGTCATTTTCAGATTTCCACTAGGTAAGAAAATACANTTTTG
 CGTTEAGTTTTNCCGTGCTCGGGTGTATGAAAAAAAANCCCAGCCGACATGCAG
 CAACGTCTCCAGCGCTTAGGNCCGTAAAANTGTTCTAAGCACAGAAGTACATGT
 25 GGAAGATTTCTCTCATCATTTTTNGTAAANCAAAGCGTTCTAATATTTTACAGA
 CCAAGTTAGGGCCAGTTTTTNTTTTCCCT

SEQ ID NO: 695

za29f01.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:293977 5', mRNA sequence gi|1267964|gb|N95657.1|N95657[1267964]

30 GCAGAAGCGAACAACCTGAGCTTTCCCTTGGAGCCCCTGAGCAGGGAGAGGGCT
 CACAAGCTTGAGGCCATCTCTCGCCTCTGCGAGNACNAAGTACAAGGACCTAAG
 AAGATCCGCGAGAAGCGCTCAGCCAGTGCAGACAACCTGACTCTGCCCCGGTGG
 TCCCCAGCCATCATCTCTTAACCTACGGAGGCCCGCCGGACCACACCATCCCTTAG
 35 TTTCTCCTTTAGTTTGAGAAAAGACAGACTTGGGGTNGGTTTGTGTTTTTGTGTTTTT
 TTTCTTTTCTTTTTTTTACGCATAGCTCCCGTCAAAGCTGCCT

SEQ ID NO: 696

Human lysophosphatidic acid receptor homolog mRNA, complete cds

40 gi|1857424|gb|U80811.1|HSU80811[1857424]
 TCACCACCTACAACCACAGAGCTGTCATGGCTGCCATCTCTACTTCCATCCCTGT
 AATTTACAGCCCCAGTTCACAGCCATGAATGAACCACAGTGCTTCTACAACGAG
 TCCATTGCCTTCTTTTATAACCGAAGTGGAAGCATCTTGCCACAGAATGGAACA
 CAGTCAGCAAGCTGGTGATGGGACTTGGAATCACTGTTTGTATCTTCATCATGTT
 45 GGCCAACCTATTGGTCATGGTGGCAATCTATGTCAACCGCCGCTTCCATTTTCCTA
 TTTATTACCTAATGGCTAATCTGGCTGCTGCAGACTTCTTTGCTGGGTTGGCCTAC
 TTCTATCTCATGTTCAACACAGGACCCAATACTCGGAGACTGACTGTTAGCACAT
 GGCTCCTGCGTCAGGGCCTCATTGACACCAGCCTGACGGCATCTGTGGCCAACTT
 ACTGGCTATTGCAATCGAGAGGCACATTACGGTTTTCCGCATGCAGCTCCACACA

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zfl6g09.r1 Soares fetal heart NbHH19W Homo sapiens cDNA clone IMAGE:377152.5

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gi|1547458|gb|AA055101.1|AA055101[1547458]

GCAGCAAGATGGCGGCGGTCTCAATGTCAGTGGTACTGAGGCAGACGTTGTGGC

30

35

SEQ ID NO: 698

Human interleukin 11 mRNA, complete cds gi|186272|gb|M57765.1|HUMIL11[186272]

GCTCAGGGCACATGCCTCCCCCTCCCCAGGCCGCGGGCCCAGCTGACCCTCGGGGGCT

40

45

GCCCACGCCATCCTGGGGGGGCTGCACCTGACACTTGACTGGGCGGTGAGGGGA
 CTGCTGCTGCTGAAGACTCGGCTGTGACCCGGGGGCCAAAGCCACCACCGTCCTT
 CCAAAGCCAGATCTTATTTATTTATTTATTTTCAGTACTGGGGGCGAAACAGCCAG
 GTGATCCCCCGCCATTATCTCCCCCTAGTTAGAGACAGTCCTTCCGTGAGGCCT
 5 GGGGGACATCTGTGCCTTATTTATACTTATTTATTTTCAGGAGCAGGGGTGGGAGG
 CAGGTGGACTCCTGGGTCCCCGAGGAGGAGGGGACTGGGGTCCCGGATTCTTGG
 GTCTCCAAGAAGTCTGTCCACAGACTTCTGCCCTGGCTCTTCCCCATCTAGGCCTG
 GGCAGGAACATATATTATTTATTTAAGCAATTACTTTTCATGTTGGGGTGGGGAC
 GGAGGGGAAAGGGAAGCCTGGGTTTTTGTACAAAAATGTGAGAAACCTTTGTGA
 10 GACAGAGAACAGGGAATTAAATGTGTCATACATATCC

SEQ ID NO: 699

Homo sapiens mRNA for GABA-BR1a (hGB1a) receptor

gi|2826760|emb|Y11044.1|HSGTHLA1[2826760]

15 ATGCTGCTGCTGCTGCTGGCGCCACTCTTCCTCCGCCCCCGGGCGCGGGCGGGG
 CGCAGACCCCCAACGCCACCTCAGAAGGTTGCCAGATCATAACCCGCCCTGGG
 AAGGGGGCATCAGGTACCGGGGCTGACTCGGGACCAGGTGAAGGCTATCAACT
 TCCTGCCAGTGGACTATGAGATTGAGTATGTGTGCCGGGGGAGCGCGAGGTGG
 TGGGGCCCAAGGTCCGCAAGTGCCTGGCCAACGGCTCCTGGACAGATATGGACA
 20 CACCCAGCCGCTGTGTCCGAATCTGCTCCAAGTCTTATTTGACCCTGGAAAATGG
 GAAGGTTTTCTTGACGGGTGGGGACCTCCCAGCTCTGGACGGAGCCCGGGTGA
 TTTCGGGTGTGACCCCGACTTCCATCTGGTGGGCAGCTCCCGGAGCATCTGTAGT
 CAGGGCCAGTGGAGCAGCCCCAAGGCCCACTGCCAGGTGAATCGAAACGCCACAC
 TCAGAACGGCGCGCAGTGTACATCGGGGGCACTGTTTCCCATGAGCGGGGGCTGG
 25 CCAGGGGGCCAGGCCTGCCAGCCCGCGGTGGAGATGGCGCTGGAGGACGTGAAT
 AGCCGCAGGGACATCCTGCCGGACTATGAGCTCAAGCTCATCCACCACGACAGC
 AAGTGTGATCCAGGCCAAGCCACCAAGTACCTATATGAGCTGCTCTACAACGAC
 CCTATCAAGATCATCCTTATGCCTGGCTGCAGCTCTGTCTCCACGCTGGTGGCTG
 AGGCTGCTAGGATGTGGAACCTCATTGTGCTTTCCTATGGCTCCAGCTCACCAGC
 30 CCTGTCAAACCGGCAGCGTTTCCCCACTTTCTTCCGAACGCACCCATCAGCCACA
 CTCCACAACCCTACCCGCGTGAAACTCTTTGAAAAGTGGGGCTGGAAGAAGATT
 GCTACCATCCAGCAGACCACTGAGGTCTTCACTTCGACTCTGGACGACCTGGAGG
 AACGAGTGAAGGAGGCTGGAATTGAGATTACTTTCCGCCAGAGTTTCTTCTCAGA
 TCCAGCTGTGCCCGTCAAAAACCTGAAGCGCCAGGATGCCCGAATCATCGTGGG
 35 ACTTTTCTATGAGACTGAAGCCCGGAAAGTTTTTTGTGAGGTGTACAAGGAGCGT
 CTCTTTGGGAAGAAGTACGTCTGGTTCCTCATTGGGTGGTATGCTGACAATTGGT
 TCAAGATCTACGACCCTTCTATCAACTGCACAGTGGATGAGATGACTGAGGCGGT
 GGAGGGCCACATCACAACCTGAGATTGTCATGCTGAATCCTGCCAATAACCCGACG
 CATTTCCAACATGACATCCCAGGAATTTGTGGAGAACTAACCAAGCGACTGAA
 40 AAGACACCCTGAGGAGACAGGAGGCTTCCAGGAGGCACCGCTGGCCTATGATGC
 CATCTGGGCCTTGGCACTGGCCCTGAACAAGACATCTGGAGGAGGCGGCCGTTCT
 GGTGTGCGCCTGGAGGACTTCAACTACAACAACCAGACCATTACCGACCAAATC
 TACCGGGCAATGAACTCTTCGTCCTTTGAGGGTGTCTCTGGCCATGTGGTGTGTTG
 ATGCCAGCGGCTCTCGGATGGCATGGACGCTTATCGAGCAGCCTCAGGGTGGCA
 45 GCTACAAGAAGATTGGCTACTATGACAGCACCAGGATGATCTTTCTCTGGTCCAA
 AACAGATAAATGGATTGGAGGGTCCCCCCCCAGCTGACCAGACCCTGGTCATCAA
 GACATTCCGCTTCCTGTCACAGAACTCTTTATCTCCGTCTCAGTTCTCTCCAGCC
 TGGGCATTGTCTAGCTGTTGTCTGTCTGTCCTTTAACATCTACAACCTCACATGTC
 CGTTATATCCAGAACTCACAGCCCAACCTGAACAACCTGACTGCTGTGGGCTGCT

CACTGGCTTTAGCTGCTGTCTTCCCCCTGGGGCTCGATGGTTACCACATTGGGAG
 GAACCAGTTTCCTTTCGTCTGCCAGGCNCGCCTCTGGCTCCTGGGCCTGGGCTTTA
 GTCTGGGCTACGGTTCATGTTACCAAGATTTGGTGGGTCCACACGGGCTTCAC
 AAAGAAGGAAGAAAAGAAGGAGTGGAGGAAGACTCTGGAACCCTGGAAGCTGT
 5 ATGCCACAGTGGGCCTGCTGGTGGGCATGGATGTCCTCACTCTCGCCATCTGGCA
 GATCGTGGACCCTCTGCACCGGACCATTGAGACATTTGCCAAGGAGGAACCTAA
 GGAAGATATTGACGTCTCTATTCTGCCCCAGCTGGAGCATTGCAGCTCCAGGAAG
 ATGAATACATGGCTTGGCATTCTTCTATGGTTACAAGGGGCTGCTGCTGCTGCTGG
 GAATCTTCCTTGCTTATGAGACCAAGAGTGTGTCCACTGAGAAGATCAATGATCA
 10 CCGGGCTGTGGGCATGGCTATCTACAATGTGGCAGTCCTGTGCCTCATCACTGCT
 CCTGTCAACCATGATTCTGTCCAGCCAGCAGGATGCAGCCTTTGCCTTTGCCTCTCT
 TGCCATAGTTTTCTCCTCCTATATCACTCTTGTTGTGCTCTTTGTGCCCAAGATGC
 GCAGGCTGATCACCCGAGGGGAATGGCAGTCGGAGGGCGCAGGACACCATGAAG
 ACAGGGTCATCGACCAACAACAACGAGGAGGAGAAGTCCCGGCTGTTGGAGAA
 15 GGAGAACCGTGAACCTGGAAAAGATCATTGCTGAGAAAGAGGAGCGTGTCTCTGA
 ACTGCGCCATCAACTCCAGTCTCGGCAGCAGCTCCGCTCCCGGCGCCACCCACCG
 ACACCCCCAGAACCTCTGGGGGCTGCCAGGGGACCCCTGAGCCCCCGAC
 CGGCTTAGCTGTGATGGGAGTCGAGTGCATTTGCTTTATAAGTGAGGGTAGGGTG
 AGGGAGGACAGGCCAGTAGGGGGAGGGAAAGGGAGAGGGGAAGGGCAGGGGA
 20 CTCAGGAAGCAGGGGGTCCCCATCCCCAGCTGGGAAGAACATGCTATCCAATCT
 CATCTCTTGTAATACATGTCCCCCTGTGAGTTCTGGGCTGATTTGGGTCTCTCAT
 TACCTCTGGGAAACAGACCTTTTCTCTCTTACTGCTTCATGTAATTTTGTATCACC
 TCTTACCAATTTAGTTCTGTACCTGGCTTGAAGCTGCTCACTGCTCACACGCTGCCT
 CCTGAGCAGCCTCACTGCATCTTTCTCTTCCCATGCAAGACCCCTCTTCTAGTTACC
 25 ACGGCAACCCCTGCAGCTCCTCTGCCTTTGTGCTCTGTTCCCTGTCCAGCAGGGGTC
 TCCCAACAAGTGCTCTTTCCACCCCAAAGGGGGCTCTCCTTTTCTCCACTGTCATA
 ATCTCTTTCCATCTTACTTGCCCTTCTATACTTTCTCACATGTGGCTCCCCCTGAAT
 TTTGCTTCCCTTTGGGAGCTCATTCTTTTCGCCAAGGCTCACATGCTCCTTGCCCTCT
 GCTCTGTGCACTCACGCTCAGCACACATGCATCCTCCCCTCTCCTGCGTGTGCCCA
 30 CTGAACATGCTCATGTGTACACACGCTTTTCCCGTATGCTTTCTTCATGTTCACTC
 ACATGTGCTCTCGGGTGCCCTGCATTCACAGCTACGTGTGCCCTCTCATGGTCAT
 GGGTCTGCCCTTGAGCGTGTTTGGGTAGGCATGTGCAATTTGTCTAGCATGCTGA
 GTCATGTCTTTCTATTTGCACACGTCCATGTTTATCCATGTACTTTCCCTGTGTAC
 CCTCCATGTACCTTGTGTACTTTCTTCCCTTAAATCATGGTATTCTTCTGACAGAG
 35 CCATATGTACCCTACCCTGCACATTGTTATGCACTTTTCCCCAATTCATGTTTGGT
 GGGGCCATCCACACCCTCTCCTTGTACAGAAATCTCCATTTCTGCTCAGATTCCCC
 CCATCTCCATTGCATTCATGTACTACCCTCAGTCTACACTCACAATCATCTTCTCC
 CAAGACTGCTCCCTTTTGTGTTTGTGTTTTTTGAGGGGAATTAAGGAAAAATAAG
 TGGGGGCAGGTTTGGAGAGCTGCTTCCAGTGGATAGTTGATGAGAATCCTGACC
 40 AAAGGAAGGCACCCTTGACTGTTGGGATAGACAGATGGACCTATGGGGTGGGAG
 GTGGTGTCCCTTTCACACTGTGGTGTCTTGGGGAAGGATCTCCCGAATCTCA
 ATAAACCAGTGAACAGTGTGACTCGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO: 700

45 zh96g08.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone
 IMAGE:429182 3', mRNA sequence gi|1448327|gb|AA004759.1|AA004759[1448327]
 ACTTTATGCAAAAAAAAAAATATACATTTATTTATAGGTCTCAATACAGCAAAATGA
 AAACGAAAATTGAGAACATTGCTCATTAGGCCAGCAACTTTAAAATTATTTAATT
 TGAAATATAAAATAGGTGGTCTTCATAAAAAGATGCATGAAATTTACCTTACCTT

ATATTTTATACTTTAAGAGTACATTTTATACAAATCAGTAACCAGGCTTCTTTTCAT
 GTTTAACCTGAAATGAACGTAACATAAATGAGTATCTTTCTTTTATGTAGTAGC
 AAAAAGAGTCAATAATCCTTTCAAGAAAGATACTATTTCAATTCCTCCCAACTTG
 GGATTCNCCATAAACACGGA

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SEQ ID NO: 701

Homo sapiens canalicular multispecific organic anion transporter 2 (CMOAT2) mRNA,
 complete cds gi|3550323|gb|AF083552.1|AF083552[3550323]

AGCCGCGCCTCGGCCCATGGACGCCCTGTGCGGTTCCGGGGAGCTCGGCTCCAA
 10 GTTCTGGGACTCCAACCTGTCTGTGCACACAGAAAACCCGGACCTCACTCCCTGC
 TTCCAGAACTCCCTGCTGGCCTGGGTGCCCTGCATCTACCTGTGGGTGCGCCCTGC
 CCTGCTACTTGCTCTACCTGCGGCACCATTTGTCGTGGCTACATCATCCTCTCCCA
 CTGTCCAAGCTCAAGATGGTCCTGGGTGTCTGCTGTGGTGCCTCTCCTGGGCGG
 ACCTTTTTTACTCCTTCCATGGCCTGGTCCATGGCCGGGGCCCTGCCCCTGTTTTT
 15 TTTGTACCCCTTGGTGGTGGGGGTACCATGCTGCTGGCCACCCTGCTGATAC
 AGTATGAGCGGCTGCAGGGCGTACAGTCTTCGGGGGTCTCATTATCTTCTGGTT
 CCTGTGTGTGGTCTGCGCCATCGTCCCATTCGCTCCAAGATCCTTTTAGCCAAGG
 CAGAGGGTGAGATCTCAGACCCCTTCGCTTCACCACCTTCTACATCCACTTTGC
 CCTGGTACTCTCTGCCCTCATCTTGGCCTGCTTCAGGGAGAAACCTCCATTTTTCT
 20 CCGCAAAGAATGTGACCCCTAACCCCTACCCTGAGACCAGCGCTGGCTTTCTCTC
 CCGCCTGTTTTTCTGGTGGTTCACAAAGATGGCCATCTATGGCTACCGGCATCCC
 CTGGAGGAGAAGGACCTCTGGTCCCTAAAGGAAGAGGACAGATCCCAGATGGTG
 GTGCAGCAGCTGCTGGAGGCATGGAGGAAGCAGGAAAGCAGACGGCACGACA
 CAAGGCTTCAGCAGCACCTGGGAAAAATGCCTCCGGCGAGGACGAGGTGCTGCT
 25 GGGTGCCCGGCCAGGCCCGGAAGCCCTCCTTCTGAAGGCCCTGCTGGCCACC
 TTCGGCTCCAGCTTCCTCATCAGTGCTTCAAGCTTATCCAGGACCTGCTCTC
 CTTATCAATCCACAGCTGCTCAGCATCCTGATCAGGTTTATCTCCAACCCCATG
 GGCCCTCCTGGTGGGGCTTCTGGTGGCTGGGCTGATGTTCTGTGCTCCATGA
 TGCAGTCGCTGATCTTACAACACTATTACCACTACATCTTTGTGACTGGGGTGAA
 30 GTTTCGTAAGTGGGATCATGGGTGTCATCTACAGGAAGGCTCTGGTTATCACCAAC
 TCAGTCAAACGTGCGTCCACTGTGGGGGAAATTGTCAACCTCATGTGAGTGGATG
 CCCAGCGCTTCATGGACCTTGCCCCCTTCTCAATCTGCTGTGGTACGACCCCTG
 CAGATCATCCTGGCGATCTACTTCTCTGGCAGAACCTAGGTCCCTCTGTCCTGG
 CTGGAGTCGCTTTTATGCTTGTGCTGATTCCACTCAACGGAGCTGTGGCCGTGAA
 35 GATGCGCGCCTTCCAGGTAAAGCAAATGAAATTGAAGGACTCGCGCATCAAGCT
 GATGAGTGAGATCCTGAACGGCATCAAGGTGCTGAAGCTGTACGCCTGGGAGCC
 CAGCTTCCTGAAGCAGGTGGAGGGCATCAGGCAGGGTGAGCTCCAGCTGCTGCG
 CACGGCGGCCTACCTCCACACCACAACCACCTTCACCTGGATGTGCAGCCCCTTC
 TTGGTGACCCTGATCACCTCTGGGTGTACGTGTACGTGGACCCAAACAATGTGC
 40 TGGACGCCGAGAAGGCCTTTGTGTCTGTGTCCTTGTTTAATATCTTAAGACTTCCC
 CTCAACATGCTGCCCCAGTTAATCAGCAACCTGACTCAGGCCAGTGTGTCTCTGA
 AACGGATCCAGCAATTCTGAGCCAAGAGGAACTTGACCCCAGAGTGTGGAAA
 GAAAGACCATCTCCCCAGGCTATGCCATCACCATACACAGTGGCACCTTCACCTG
 GGCCAGGACCTGCCCCCACTCTGCACAGCCTAGACATCCAGGTCCCGAAAGG
 45 GGCACTGGTGGCCGTGGTGGGGCCTGTGGGCTGTGGGAAGTCCTCCCTGGTGTCT
 GCCCTGCTGGGAGAGATGGAGAAGCTAGAAGGCAAAGTGCACATGAAGGGCTCC
 GTGGCCTATGTGCCCCAGCAGGCATGGATCCAGAACTGCACTCTTCAGGAAAAC
 GTGCTTTTCGGCAAAGCCCTGAACCCCAAGCGCTACCAGCAGACTCTGGAGGCCT
 GTGCCTTGCTAGCTGACCTGGAGATGCTGCCTGGTGGGGATCAGACAGAGATTG

GAGAGAAGGGCATTAACTGTCTGGGGGGCCAGCGGCAGCGGGTCAGTCTGGCTC
 GAGCTGTTTACAGTGATGCCGATATTTTCTTGCTGGATGACCCACTGTCCGCGGT
 GGACTCTCATGTGGCCAAGCACATCTTTGACCACGTCATCGGGCCAGAAGGCGTG
 CTGGCAGGCAAGACGCGAGTGCTGGTGACGCACGGCATTAGCTTCCTGCCCCAG
 5 ACAGACTTCATCATTGTGCTAGCTGATGGACAGGTGTCTGAGATGGGCCCCGTACC
 CAGCCCTGCTGCAGCGCAACGGCTCCTTTGCCAACTTTCTCTGCAACTATGCCCC
 CGATGAGGACCAAGGGCACCTGGAGGACAGCTGGACCGCGTTGGAAGGTGCAG
 AGGATAAGGAGGCACTGCTGATTGAAGACACACTCAGCAACCACACGGATCTGA
 CAGACAATGATCCAGTCACCTATGTGGTCCAGAAGCAGTTTATGAGACAGCTGA
 10 GTGCCCTGTCTCAGATGGGGAGGGACAGGGTCCGGCCTGTACCCCGGAGGCACC
 TGGGTCCATCAGAGAAGGTGCAGGTGACAGAGGCGAAGGCAGATGGGGCACTG
 ACCCAGGAGGAGAAAGCAGCCATTGGCACTGTGGAGCTCAGTGTGTTCTGGGAT
 TATGCCAAGGCCGTGGGGCTCTGTACCACGCTGGCCATCTGTCTCCTGTATGTGG
 GTCAAAGTGCGGCTGCCATTGGAGCCAATGTGTGGCTCAGTGCCTGGACAAATG
 15 ATGCCATGGCAGACAGTAGACAGAACAACACTTCCCTGAGGCTGGGCGTCTATG
 CTGCTTTAGGAATTCTGCAAGGGTTCTTGGTGATGCTGGCAGCCATGGCCATGGC
 AGCGGGTGGCATCCAGGCTGCCCCGTGTGTTGCACCAGGCACTGCTGCACAACAA
 GATACGCTCGCCACAGTCCTTCTTTGACACCACACCATCAGGCCGCATCCTGAAC
 TGCTTCTCCAAGGACATCTATGTCGTTGATGAGGTTCTGGCCCCCTGTCATCCTCAT
 20 GCTGCTCAATTCTTCTTCAACGCCATCTCCACTCTTGTGGTCATCATGGCCAGCA
 CGCCGCTCTTCACTGTGGTCATCCTGCCCTGGCTGTGCTCTACACCTTAGTGCAG
 GCGCTTCTATGCAGCCACATCACGGCAACTGAAGCGGGCTGGAATCAGTCAGCCGCT
 CTGACCTATCTACTCCCACTTTTCGGGAGACAGTGAGTGGTGCCAGTGTCTCCGGGC
 CTACAACCGCAGCCGGGATTTTGGAGATCATCAGTGATACTAAGGTGGATGCCAA
 25 CCAGAGAAGCTGCTACCCCTACATCATCTCCAACCGGTGGCTGAGCATCGGAGTG
 GAGTTCGTGGGGAACCTGCGTGGTGCTCTTTGCTGCACTATTTGCCGTCATCGGGA
 GGAGCAGCCTGAACCCGGGGCTGGTGGGCCTTTCTGTGTCCTACTCCTTGCAAGT
 GACATTTGCTCTGAACTGGATGATACGAATGATGTCAGATTTGGAATCTAACATC
 GTGGCTGTGGAGAGGGTCAAGGAGTACTCCAAGACAGAGACAGAGGCGCCCTGG
 30 GTGGTGGAAAGGCAGCCGCCCTCCCGAAGGTTGGCCCCCACGTGGGGAGGTGGAG
 TTCCGGAATTATTCTGTGCGCTACCGGCCGGGCCTAGACCTGGTGCTGAGAGACC
 TGAGTCTGCATGTGCACGGTGGCGAGAAGGTGGGGATCGTGGGCCGCACTGGGG
 CTGGCAAGTCTTCCATGACCCTTTGCCTGTTCCGCATCCTGGAGGCGGCAAAGGG
 TGAAATCCGCATTGATGGCCTCAATGTGGCAGACATCGGCCTCCATGACGTGCGC
 35 TCTCAGCTGACCATCATCCCGCAGGACCCCATCCTGTTCTCGGGGACCCTGCGCA
 TGAACCTGGACCCCTTCGGCAGCTACTCAGAGGAGGACATTTGGTGGGCTTTGGA
 GCTGTCCCACCTGCACACGTTTGTGAGCTCCCAGCCGGCAGGCCTGGACTTCCAG
 TGCTCAGAGGGCGGGGAGAATCTCAGCGTGGGCCAGAGGCAGCTCGTGTGCCTG
 GCCCGAGCCCTGCTCCGCAAGAGCCGCATCCTGGTTTTAGACGAGGCCACAGCTG
 40 CCATCGACCTGGAGACTGACAACTCATCCAGGCTACCATCCGCACCCAGTTTGA
 TACCTGCACTGTCCTGACCATCGCACACCGGCTTAACACTATCATGGACTACACC
 AGGGTCCTGGTCCTGGACAAAGGAGTAGTAGCTGAATTTGATTCTCCAGCCAACC
 TCATTGCAGCTAGAGGCATCTTCTACGGGATGGCCAGAGATGCTGGACTTGCCTA
 AAATATATTCTGAGATTTCTCTCTGGCCTTTCTCTGGTTTTTCATCAGGAAGGAAAT
 45 GACACCAAATATGTCCGCAGAATGGACTTGATAGCAAACACTGGGGGCACCTTA
 AGATTTTGCACCTGTAAAGTGCCTTACAGGGTAACTGTGCTGAATGCTTTAGATG
 AGGAAATGATCCCCAAGTGGTGAATGACACGCCTAAGGTCACAGCTAGTTTGGAG
 CCAGTTAGACTAGTCCCCGGTCTCCCGATTCCCAACTGAGTGTTATTTGCACACT
 GCACTGTTTTCAAATAACGATTTTATGAAATGACCTCTGTCCTCCCTCTGATTTTT

CATATTTTCTAAAGTTTCGTTTCTGTTTTTTAATAAAAAGCTTTTTCCTCCTGGAAC
 AGAAGACAGCTGCTGGGTCAGGCCACCCCTAGGAACTCAGTCCTGTACTCTGGG
 GTGCTGCCTGAATCCATTAAAAATGGGAGTACTGATGAAATAAACTACATGGT
 CAACAGTAAAAAAAAAAAAAAAAA

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SEQ ID NO: 702

yq42d10.s1 Soares fetal liver spleen 1 NFLS Homo sapiens cDNA clone IMAGE:198451 3',
 mRNA sequence gi|970054|gb|R94659.1|R94659[970054]

TTGTTTTTTTTTGGTTCAGCATAACTTGGAACATTTGAAAGCTTTTCAACCTAAATG
 TGGG

10

GAAAAAACAGGTAAGGCATTATTTTTGCACAAAACCTAGCATTCTAATAGTGCA
 AATGAA

TCTGATACCTCTTAAAATGGTGAGAGGTCATACACTTACTAGATTAATTTAGATT
 TTCTT

15

TCTATGGCTTGACAAATTATCCCTCTATAAATTCTACTCTCACCCAGAGGCTGTTG
 CTGT

AATCAAAAGGATAACTGTAGGATAAAGGTCCAACCTTCTCCTGGTATCCGGCAA
 AAGGGT

TTTTGCTCATATGGCAAAAAAAAAATCTAATTTTTTAAATTATCCTACAGNGGAATAT
 ACAAC

20

TGGGNTTCTNNGGACCCTCTATTTATCNGGCGGCAACAGGTGGTTCGGGGCGGC
 GGNCTTTCCAATGGGGGGCCCTAACCCAAAATTGGGCGGNCAATCT

SEQ ID NO: 703

25 zd29f03.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:342077 3',
 mRNA sequence gi|1367074|gb|W60315.1|W60315[1367074]

CATAACTTAAGTAAACTTTATTTTCAAAATGCTTCAGGTACAAAAGAAAACAATC
 GGCAAAGTCTAACATAATTAACAAACCAGCTCTTGAGCGGCAGAGTGCTCCAG

30

GGATGAGAGGGGCTGGGGATGGAAAGGTGGTTGGGAGACACAACATTTTTCTAG
 CTTCAGAAAGTCAGGGAGCCAGATCACAGCCTGAACTTCATGGTATTGGTTACA
 GATTCTTTACAAAGGTGTTTACCTCTCTCATGAGGTCTTCTTGATTGGTTACTTCC
 TCAGAAAAATCATCATTGACATCCAACACCAGCACTGGAATGTTTCATCAGAGCCT
 CAAAGTGGAGCCTGTCACTTGTACACANGACCTCTCAAAGATCTGTACTGGCTTC
 CTGGCCTGGTAAGAGTTCTCAGGGGAAG

35

SEQ ID NO: 704

yb54f05.r1 Stratagene ovary (#937217) Homo sapiens cDNA clone IMAGE:75009 5',
 mRNA sequence gi|653755|gb|T51895.1|T51895[653755]

TTTCTACCGTCCTTGTTCATAACTTTGTGTTGGAGGGAACCTGTTTCACTATGGCCT
 CCTTTGCCCAAGTTGAAACAGGGGGCCCATCATCATGTCTGTTCCAGAACAGTGC

40

CTTGGTCATCCACATCCCCGGACCCCGCCTGGGGACCCCCAAGCTGTGTCCTAT
 GAAGGGGTGTGGGGGTGAGGTAGTGAAAAGGGCGGTAGTTGGTGGTGGGACCC
 AGAAACGGACGCCGGTGCTTGGGAGGGGTTCTTAAATTAATATTTTAAAAAAG
 TAACTTTTTTTGTATTAAATTAATAAAGAAAATNNGGGACG

45

SEQ ID NO: 705

zx69a01.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:796680 3',
 mRNA sequence gi|2185799|gb|AA460679.1|AA460679[2185799]

TACTCAGTCACCACCCAGAAATTGTCCGAGTTATGAAATAGATTTCATTTTGAGAA

GTTACACATTCAGTTTGTGTTTATGAACTAGCCTGTCTTGTTTCTGCCTCTTGTAAGA
 AAAGAGCTAGGTCTTTATGCTGCTAGGACAAAATACTGTACATGAATTGGAGAA
 TAAGGAGGGGTTCATCCTTCTCCCCGGTACCGGAACAAGAGAACAGTTAGTACAG
 AAATGGCTTTGGCACTTTAACCCTTAGACATTGTCCCAAACCTTGTTACTTGAGTA
 5 TTGTAGCCTCACCATGATTTTTTTTTTAACACCGTATCATCTCCATACTTTTTATTTA
 CAAATTATATATACACACAATAATACAATTCCTTCATTCTAAAACAATAGTAGAC
 CCCAAACAGGTCTACATTAAGTTTC

SEQ ID NO: 706

10 zv64g11.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:758468 3',
 mRNA sequence gi|2046825|gb|AA393856.1|AA393856[2046825]
 TTTAACATCAGTTAAAGATTTTATTTGATTTCATTAAAGAGGAACTGGTGAGGCA
 TTTCCACCAGCTCAAGGAAGAATTTTGTAATGTTATATTTATGGATCAGAAATA
 ACTGAAATGAATGTGCAAATGGAGGCCAAACTGGCCTCTTCCACAGTGGGGAAAG
 15 AAAGTCAACAGAACCTCCACTAGGCATAATTTACATATGTACAGACTCAATCAGC
 TTTTAATATAGAAAGATATTTGAACCCAAAATCTTTCATTAAGGTAAAAAATACA
 ATAATAATTTTAAATGAAATCCTGGAAAATTCATACAAATAAAATTAAGCCTC
 CAATGGGGTATAATCCAGCAATATCCTAGGCAAATGCCTCCTGAAGAACACAG
 CCTTTTTAAACATCACTGTTTATCATTCAAATTCAGACGTCTCCTATCTTTGGC
 20 TATTTTATCTCTTCAACT

SEQ ID NO: 707

aa47b01.r1 NCI CGAP GCB1 Homo sapiens cDNA clone IMAGE:824041 5' similar to
 TR:G1049078 G1049078 SRP30C3; mRNA sequence
 25 gi|2219894|gb|AA490721.1|AA490721[2219894]
 TATCTCAGAAAAGAAGACATGCGATATGCCCTGCGTAAACTGGATGACACCAAA
 TTCCGCTCTCATGAGGGTGAACTTCCTACATCCGAGTTTATCCTGAGAGAAGCA
 CCAGCTATGGCTACTCACGGTCTCGGTCTGGGTCAAGGGGCCGTGACTCTCCATA
 CCAAAGCAGGGGTTCCACACTACTTCTCTCCTTTCAGGCCCTACTGAGACAGGT
 30 GATGGGAATTTTTTCTTTATTTTTTAGGTAACTGAGCTGCTTTGTGCTCAGAATC
 TACATTCCAGATTGAGGATTTAGTGTCTTAGGAAATTTTTTTAATTTTTTTTTTTA
 AA

SEQ ID NO: 708

35 Human 78 kdalton glucose-regulated protein (GRP78) gene, complete cds
 gi|183644|gb|M19645.1|HUMGRP78[183644]
 CCCGGGGTCACTCCTGCTGGACCTACTCCGACCCCTAGGCCGGGAGTGAAGGC
 GGGACTTGTGCGGTTACCAGCGGAAATGCCTCGGGGTCAGAAGTCGCAGGAGAG
 ATAGACAGCTGCTGAACCAATGGGACCAGCGGATGGGGCGGATGTTATCTACCA
 40 TTGGTGAACGTTAGAAACGAATAGCAGCCAATGAATCAGCTGGGGGGGCGGAGC
 AGTGACGTTTATTGCGGAGGGGGCCGCTTCGAATCGGCGGGCGGCCAGCTTGGTG
 GCCTGGGCCAATGAACGGCCTCCAACGAGCAGGGCCTTCACCAATCGGCGGCCT
 CCACGACGGGGCTGGGGGAGGGTATATAAGCCGAGTAGGCGACGGTGAGGTCG
 ACGCCGGCCAAGACAGCACAGACAGATTGACCTATTGGGGTGTTTCGCGAGTGT
 45 GAGAGGGAAGCGCCGCGGCCTGTATTTCTAGACCTGCCCTTCGCCTGGTTCGTGG
 CGCCTTGTGACCCCGGGCCCTGCCGCCTGCAAGTCGAAATTGCGCTGTGCTCCT
 GTGCTACGGCCTGTGGCTGGACTGCCTGCTGCTGCCCAACTGGCTGGCAAGATGA
 AGCTCTCCCTGGTGGCCGCGATGCTGCTGCTGCTCAGCGCGGCGCGGGCCGAGG
 AGGAGGACAAGAAGGAGGACGTGGGCACGGTGGTCGGCATCGACTTGGGGACC

ACCTACTCCTGGTAAGTGGGGTTGCGGATGAGGGGGACGGGGCGTGGCGCTGGC
TGGCGTGAGAAGTGC GG TGCTGATGTCCCTCTGTGGGTTTTTGCAGCGTCGGCG
TGTTCAAGAACGGCCGCGTGGAGATCATCGCCAACGATCAGGGCAACCGCATCA
CGCCGTCCTATGTCGCCTTCACTCCTGAAGGGGAACGTCTGATTGGCGATGCCGC
5 CAAGAACCAGCTCACCTCCAACCCCGAGAACACGGTCTTTGACGCCAAGCGGCT
CATCGGCCGACGTGGAATGACCCGTCTGTGCAGCAGGACATCAAGTTCTTGCCG
TTCAAGGTTTCGACCGGTTTTCTCATCCAGTTAGAGAACGGGTGGGTGGTGGGAG
TATTTAGAGTTATAAGTCTCTGGAAAAGTGTTGAGACAACAGTTGAAGGTTATAG
ACATGATGTATGTAATAACTTTAATACTATTAGTATGTTACAAAACCTTAAGACAG
10 TTGCTGTCTGACTGTCTACGATAGTTTAGGAATAAAAGACCGATTAAACTGAAC
TTTGTAAGACACCTATACTCCCTGAAGTATTTCTAGTCAATTTGCAGCCCCAAGG
GACCAAAATAAACCAAATTGTGGGGATGGTAGTGGGTCTTTTAAACTTTGAGATG
TCATTGTATCTGTGTCTGAAAACAATAATTCTTTAAATAGGTGGTTGAAAAGAA
AACTAAACCATACATTCAAGTTGATATTGGAGGTGGGCAAACAAAGACATTTGC
15 TCCTGAAGAAATTTCTGCCATGGTTCTCACTAAAATGAAAGAAACCGCTGAGGCT
TATTTGGGAAAGAAGGTAAATATTTCTAGAACAAATGTTAAGTATTTTTTGATCAT
TAGTATTCTCGGTTGGCTGTTATGTATAGAAGCCTTCGTGAAGGGTTTCAAAAAT
TTAATCAGAATGGTATTCATGCTTGTCACGGTTTAATTATTGAGTCCCTTTACTA
TAAGCCAAACAAAATAGACTTTTCATGTATTATTTAATGCTTACAATTCCAGGA
20 ACAATAAAATTTTATATGTTGTATTTCATCAATAATTGGCTTAAAACTAAAGTGA
TGGTTTGACTGTAATTTTTTTTTTTTTGAGATGGAGTCTTGCTCTGTTGCCCAGGCT
GGACTGCAGTGGCAGCATCTCAGCTCACTGCAACCTCTGCCTCCCGGGTTAAGCA
GCTCTCCTGCCTCAGCCTCCAAGTAATGGAACGACAGGCACACCACCACAGGTG
GCTAATTTTTTTTTTTTTTTTTTAATTTTCAGTAGAGACAGGGTTTCTCCACATTGCC
25 AGGCTGGTCTTGAAATCCTGCCCTCAGGTTGATCCTCCTGCCTAGCCTCCCAAAG
TGCTGGATTATAGGCAGAAGCCACCGCCTGGCCAGACTGTAATTTAAATAAGGG
TTAAACTATGTGACAATACACTTAATTATCTTTATCCTTTTAGGTTACCCATGCAG
TTGTTACTGTACCAGCCTATTTAATGATGCCCAACGCCAAGCAACCAAAGACGC
TGGAAC TATTGCTGGCCTAAATGTTATGAGGATCATCAACGAGCCGTAAGTATGA
30 AATTCAGGGATACGGCATATTTGCCAAATAGTGGAAATGTGAAGTACTGACAAA
ACTTTTCCCTTTTTTCAATCTAATAGTACGGCAGCTGCTATTGCTTATGGCCTGGAT
AAGAGGGAGGGGGGAGAAGAACATCCTGGTGTTTGACCTGGGTGGCGGAACCTTC
GATGTGTCTCTTCTCACCATTGACAATGGTGTCTTCGAAGTTGTGGCCACTAATG
GAGATACTCATCTGGGTGGAGAAGACTTTGACCAGCGTGTCTATGGAACACTTCAT
35 CAAACTGTACAAAAAGAAGACGGGCAAAGATGTCAGGAAGGACAATAGAGCTG
TGCAGAAACTCCGGCGCGAGGTAGAAAAGGCCAAGGCCCTGTCTTCTCAGCATC
AAGCAAGAATTGAAATTGAGTCCTTCTATGAAGGAGAAGACTTTTCTGAGACCCT
GACTCGGGCCAAATTTGAAGAGCTCAACATGGTATGTTCCCTGTTTTCTGCTTTGC
TAATGAGATCTCCTTAGACTCTGAATTCAGGACATTGCATCTAGATACTTAGATA
40 ACAGACATCACAGTAACCATGTCTTTTTTCTAGGATCTGTTCCGGTCTACTATGAA
GCCCGTCCAGAAAGTGTTGGAAGATTCTGATTTGAAGAAGTCTGATATTGATGAA
ATTGTTCTTGTTGGTGGCTCGACTCGAATTCCAAAGATTCAGCAACTGGTTAAAG
AGTTCTTCAATGGCAAGGAACCATCCCGTGGCATAAACCAGATGAAGCTGTAG
CGTATGGTGCTGCTGTCCAGGCTGGTGTGCTCTCTGGTGATCAAGATACAGGTAG
45 GTCATCATCGCAGCATCTTTCTTAGTGATTTCAGTAGCTTGATGGAAGAGCTCGGT
ACCCCTATTGCTTTAGAAAATACCAGAATATGAGCAACAAGGTCACACAGCTAG
TAAAGGGTATAAGTGAAGACAAGACTGGGGTAGTCTCCAAGATCATTAGCAACT
GTTTAATTCAGTGCCTTTAAATGTGTGTGTTAGAACCTAACCAAATGTTAGAGA
GATAAACTTTACATAGCTCATAGGGAGAACTTGAATTAAAAGTTAAATAACTTAT

CCTTACAGGTGACCTGGTACTGCTTCATGTATGTCCCCTTACACTTGGTATTGAAA
 CTGTAGGAGGTGTCATGACCAAAGTATTCCAAGTAATACAGTGGTGCCTACCAA
 GAACTCTCAGATCTTTTCTACAGCTTCTGATAATCAACCAACTGTTACAATCAAG
 GTCTATGAAGGTAATTACCTTAAGTTTGGTTAATATCATGGCTTTTTTTTTTGAGAT
 5 GAAGTCTTGCTCTGTTGCCCAGGCTGGACTGCAGTGGCACGATCTCGGCTCACTG
 CAAATTCTGTCTCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCAGAGTAGCT
 GGATTACAGCCTGACCACCACACCTGGCTAATTTCTGTATTTTTTAGTAGAGGATG
 GGCTTTCACCATGTTTCCCAGGCTGGTCTCCAACCTCCTGACCTCAGGTCACTGCC
 TGCCTCCACCGTCCCGAAAGTACTGGGATTATAGCGTGAGCCACCACGCCAGATC
 10 TATCTATCATGGCATATTTTAAAAGAACATGACTTAATATGTCCTATTGAAATGG
 CTAGGGAACTAAGTAACTGCTGTTTTTCAGATGGAGGTCTTAATTTGAATAATGTT
 GATATTAGATATTTAGCATTCTTTTTTTTTTTTTTTTAAATGGAGTCTTGCTCTGTCG
 CCTAGGCTGGGGTGCAGTGGCATGACTTGCAACCTCTGCCTCCCGAATAGCTGGG
 ATTACAGGTGCCCACCATCACGCCCGGCTAAGTTTTGTATTTTTTAGTAGAGGCGA
 15 GTTTCGCCATGTTGGCCAGGCTGGTCTTGAACCCCTAACCTCAGTGATCCACGG
 TCACCGACCTGGCCTCCCAAAAGTACTGTACCCAGCCAATGATTAGCATTCTCAC
 TAATAATAGCATCTGAGCTGGCTCCTAGAGTACAAGAAAAAGGAGTTCACAGTA
 CTTTAAAATAGATAAAATTCAGTTGAGTTAGTAACCTAACTCATTGTTAGTACTA
 GTTGCTGCTCCTTGTAGACCAATATGAAATTACTTTTAGCTCGATAAAACCAAAA
 20 GTGTCACTTTATGCTTCAGACTGAAATGCGGGGATCTAGATGTGCTAATGCTTGT
 CAGTAACAATAACAAGTTTTTCTGTATGTAACCTCTAGGTGAAAGACCCCTGAC
 CCAATAAAGACAATCATCTTCTGGGTACATTTGATCTGACTGGAATTCCTCCTGCTCCTC
 TGTGGGGTCCCAACAGATTGAAGTCAGCTTTGAGATAGATGTGAATGGTATTCTTCG
 AGTGACAGCTGAAGACAAGGGTACAGGGGACAAAAATAAGATCACAAATCACCA
 25 ATGACCAGAATCGCCTGACACCTGAAGAAATCGAAAGGATGGTTAATGATGCTG
 AGAAGTTTGCTGAGGAAGACAAAAAGCTGAAGGAGCGCATTGATACTAGAAATG
 AGTTGGAAAGCTATGCCTATTCTCTAAAGAATCAGATTGGAGATAAAGAAAAGC
 TGGGAGGTAAACTTTCTCTGAAGATAAGGAGACCATGGAAAAAGCTGTAGAAG
 AAAAGATTGAATGGCTGGAAAGCCACCAAGATGCTGACATTGAAGACTTCAAAG
 30 CTAAGAAGAAGGAAGTGGAAAGAAATTGTTCAACCAATTATCAGCAAACCTCTATG
 GAAGTGCAGGCCCTCCCCCAACTGGTGAAGAGGATACAGCAGAAAAAGATGAGT
 TGTAGACACTGATCTGCTAGTGCTGTAATATTGTAAATACTGGACTCAGGAACCTT
 TTGTTAGGAAAAAATTGAAAGAACTTAAGTCTCGAATGTAATTGGAATCTTCACC
 TCAGAGTGGAGTTGAAACTGCTATAGCCTAAGCGGCTGTTTACTGCTTTTCATTA
 35 GCAGTTGCTCACATGTCTTTGGGTGGGGGGGAGAAGAAGAATTGGCCATCTTAA
 AAAGCGGGTAAAAAACCTGGGTTAGGGTGTGTGTTACCTTCAAAATGTTCTATT
 TAACAACCTGGGTCACTGTGCATCTGGTGTAGGAGGTTTTTTCTACCATAAGTGACA
 CCAATAAATGTTTGTTATTTACACTGGTCTAATGTTTGTGAGAAGCTT

40 SEQ ID NO: 709

Human adenosine receptor (A2) gene, complete cds

gi|177891|gb|M97370.1|HUMA2XXX[177891]

GGCACGAGGCTGGCTGAGCCATGATGCTGCTGCCAGAACCCCTGCAGAGGGCCT
 GGTTTCAGGAGACTCAGAGTCCTCTGTGAAAAAGCCCTTGGAGAGGCGCCCCAG
 45 CAGGGCTGCACTTGGCTCCTGTGAGGAAGGGGCTCAGGGTCTGGGCCCCCTCCGCC
 TGGGCCCGGGCTGGGAGCCAGGCGGGCGGCTGGGCTGCAGCAATGGACCGTGAGC
 TGGCCCAGCCCGCGTCCGTGCTGAGCCTGCCTGTCGTCTGTGGCCATGCCATCAT
 GGGCTCCTCGGTGTACATCACGGTGGAGCTGGCCATTGCTGTGCTGGCCATCCTG
 GGCAATGTGCTGGTGTGCTGGGCCGTGTGGCTCAACAGCAACCTGCAGAACGTC

ACCAACTACTTTGTGGTGTCACTGGCGGGCGGCCGACATCGCAGTGGGTGTGCTCG
 CCATCCCCCTTTGCCATCACCATCAGCACCGGGTTCTGCGCTGCCTGCCACGGCTG
 CCTCTTCATTGCCTGCTTCGTCCTGGTCCTCACGCAGAGCTCCATCTTCAGTCTCC
 TGGCCATCGCCATTGACCGCTACATTGCCATCCGCATCCCGCTCCGGTACAATGG
 5 CTTGGTGACCGGCACGAGGGCTAAGGGCATCATTGCCATCTGCTGGGTGCTGTCTG
 TTTGCCATCGGCCTGACTCCCATGCTAGGTTGGAACAACTGCGGTCAGCCAAAGG
 AGGGCAAGAACCCTCCAGGGGCTGCGGGGAGGGCCAAGTGGCCTGTCTCTTTG
 AGGATGTGGTCCCCATGAACTACATGGTGTACTTCAACTTCTTTGCCTGTGTGCTG
 GTGCCCTGCTGCTCATGCTGGGTGTCTATTTGCGGATCTTCCTGGCGGGCGCGAC
 10 GACAGCTGAAGCAGATGGAGAGCCAGCCTCTGCCGGGGGAGCGGGCACGGTCCA
 CACTGCAGAAGGAGGTCCATGCTGCCAAGTCACTGGCCATCATTGTGGGGCTCTT
 TGCCCTCTGCTGGCTGCCCTACACATCATCAACTGCTTCACTTTCTTCTGCCCCG
 ACTGCAGCCACGCCCCCTCTCTGGCTCATGTACCTGGCCATCGTCCTCTCCACACC
 AATTCGGTTGTGAATCCCTTCATCTACGCCTACCGTATCCGCGAGTTCCGCCAGA
 15 CCTTCCGCAAGATCATTGCGAGCCACGTCCTGAGGCAGCAAGAACCTTTCAAGGC
 AGCTGGCACCAGTGCCCGGGTCTTGGCAGCTCATGGCAGTGACGGAGAGCAGGT
 CAGCCTCCGTCTCAACGGCCACCCGCCAGGAGTGTGGGCCAACGGCAGTGCTCC
 CCACCCTGAGCGGAGGCCCAATGGCTATGCCCTGGGGCTGGTGAGTGGAGGGAG
 TGCCCAAGAGTCCCAGGGGAACACGGGCCTCCAGACGTGGAGCTCCTTAGCCA
 20 TGAGCTCAAGGGAGTGTGCCAGAGCCCCCTGGCCTAGATGACCCCTGGCCCA
 GGATGGAGCAGGAGTGTCTGATGATTGAGTTTGCCCTTCCTAAGGGAAG
 GAGATCTTTATCTTTCTGGTTGGCTTGACAGTCAAGTTGGGAGAAGAGAGAGAG
 TGCCAGGAGACCCTGAGGGCAGCGGGTTCCTACTTTGGACTGAGAGAAGGGAGC
 CCCAGGCTGGAGCAGCATGAGGCCAGCAAGAAGGGCTTGGGTTCTGAGGAAGC
 25 AGATGTTTCATGCTGTGAGGCCTTGCACCAGGTGGGGGCCACAGCACCAGCAGC
 ATCTTTGCTGGGCAGGGCCCAGCCCTCCACTGCAGAAGCATCTGGAAGCACCACC
 TTGTCTCCACAGAGCAGCTTGGGCACAGCAGACTGGCCTGGCCCTGAGACTGGG
 GAGTGGCTCCAACAGCCTCCTGCCACCCACACACCACTCTCCCTAGACTCTCCTA
 GGGTTCAGGAGCTGCTGGGGCCAGAGGTGACATTTGACTTTTTTCCAGGAAAAAT
 30 GTAAGTGTGAGGAAACCCTTTTTATTTTATTACCTTTCCTCTCTGGCTGCTGGGT
 CTGCCGTCGGTCTGCTGCTAACCTGGCACCAGAGCCTCTGCCGGGGAGCCTCAG
 GCAGTCTCTCCTGCTGTACAGCTGCCATCCACTTCTCAGTCCCAGGGCCATCTC
 TTGGAGTGACAAAGCTGGGATCAAGGACAGGGAGTTGTAACAGAGCAGTGCCAG
 AGCATGGGCCCAGGTCCCAGGGGAGAGGTTGGGGCTGGCAGGCCACTGGCATGT
 35 GCTGAGTAGCGCAGAGCTACCCAGTGAGAGGCCTTGTCTAACTGCCTTTCCTTCT
 AAAGGGAATGTTTTTTTCTGAGATAAAATAAAAACGAGCCACATCGTGTTTAAAG
 CTTGTCCAAATGAAAAAAAAAAAAAAAAAA/

SEQ ID NO: 710

40 za59g01.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:296880 5'
 similar to gb:M64925 55 KD ERYTHROCYTE MEMBRANE PROTEIN (HUMAN);,
 mRNA sequence gi|1273219|gb|W01240.1|W01240[1273219]
 GAGGAACATCTCTGCCAATGAGTTCTTGGAGTTTGGCAGCTACCAAGGCAACATG
 TTTGGCACCAAATTTGAAACAGTGCACCAGATCCATAAGCAGAACAAGATTGCC
 45 ATCCTTGACATTGAGCCCCAGACCCTGAAAATTGTTTCGGACAGCAGAAGTTTCGC
 CTTTCATTGTGTTTCATTGCACCTACTGACCAGGGCACTCAGACAGAAGCCCTGCA
 GCAGCTGCAGAAGGACTCTGAGGCCATCCGCAGCCAGTACGCTCACTACTTTGAC
 CTCTCACTGGTCAATAATGGTGTTGATGAAACCCTTAANGAAATTACAAGAAGCC
 TTCGACCAAGCGTGCAGTTCTCCACAGTGGGGTGGCTGGTCTCCTGGGGTTACT

NAAGCCTGGTAAGAATTGGGGGGAACCCACTTGGTATTGNCCCTCTTCCAGGATT
TTGGAAATTCCAACCGGCCTTGGNTTTAAGAGAAAANAAGGGNTGGTTCCTACT
AAT

5 SEQ ID NO: 711

ab36c08.r1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:842894 5'
similar to TR:G1256802 G1256802 SODIUM/POTASSIUM-TRANSPORTING ATPASE
BETA-3 SUBUNIT.; mRNA sequence gi|2218877|gb|AA489275.1|AA489275[2218877]
CTGGCCGAGTGGGAAGCTCTTCATCTACAACCCGACCACCGGAGAATTCCTGGGGC
10 GCACCGCAAGAGCTGGGGTTTGATCTTGCTCTTCTACCTAGTTTTTTATGGGTTC
TGGCTGCACTCTTCTCATTACGATGTGGGTTATGCTTCAGACTCTCAACGATGA
GGTTCCAAAATACCGTGACCAGATTCCCTAGCCCAGGACTCATGGTTTTTCCAAAA
CCAGTGACCGCATTGGAATATACATTACAGTAGGTCTGATCCAACCTTCGTATGCAG
GGTACATTGAAGACCTTAAGAAGTTTCTAAAACCATATACTTTAGAAGAAGACA
15 AGAACCTCACAGTCTGTCCTGATGGAGCACTTTTTGAACAGAAGGGTCCAGTTTA
TGTTGCATGTCAGTTTCCTATTTCACTTCAAGCATGCAGTGGTATGAATGATC
CTGATTTTGGCTATTCTCAAGGAAAC

SEQ ID NO: 712

20 za24e08.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:293510 3',
mRNA sequence gi|1225735|gb|N69574.1|N69574[1225735]

AACTAATATTAAATAGTAAATTTAATGEGTATTAATATTGTCATATAATATTGNN
AATTACTCATGTAAATGTAAATATTACATTGAGGATATAGTAAATATTAAATTEAC
TATGTCATTGAGGACAGTATTTCAAACCTAGCTTTTTTAAAAAGAAAAACAGAAGA
25 TTGGCAGTGAATAGAACAGTGATTGTTCACTACTTGGATCTACTGCCTTAATTT
ATACTAGGATGTCAATCCACCATTGATTTTGGACCATCAGTGCCAATGTCNACGT
AGCCAAAAAGGCCAAT

SEQ ID NO: 713

30 Human mRNA for gamma-interferon inducible early response gene (with homology to
platelet proteins) gi|33917|emb|X02530.1|HSINFGER[33917]

GAGACATTCCTCAATTGCTTAGACATATTCTGAGCCTACAGCAGAGGAACCTCCA
GTCTCAGCACCATGAATCAAACCTGCGATTCTGATTTGCTGCCTTATCTTTCTGACT
CTAAGTGGCATTCAAGGAGTACCTCTCTCTAGAACCGTACGCTGTACCTGCATCA
35 GCATTAGTAATCAACCTGTTAATCCAAGGTCTTTAGAAAAACTTGAAATTATTCC
TGCAAGCCAATTTTGTCCACGTGTTGAGATCATTGCTACAATGAAAAAGAAGGGT
GAGAAGAGATGTCTGAATCCAGAATCGAAGGCCATCAAGAATTTACTGAAAGCA
GTTAGCAAGGAAATGTCTAAAAGATCTCCTTAAAACCAGAGGGGAGCAAAATCG
ATGCAGTGCTTCCAAGGATGGACCACACAGAGGCTGCCTCTCCCATCACTTCCCT
40 ACATGGAGTATATGTCAAGCCATAATTGTTCTTAGTTTGCAGTTACACTAAAAGG
TGACCAATGATGGTCACCAAATCAGCTGCTACTACTCCTGTAGGAAGGTAAATGT
TCATCATCCTAAGCTATTCAGTAATAACTCTACCCTGGCACTATAATGTAAGCTCT
ACTGAGGTGCTATGTTCTTAGTGGATGTTCTGACCCTGCTTCAAATATTTCCCTCA
CCTTTCCCATCTTCCAAGGGTACTAAGGAATCTTTCTGCTTTGGGGTTTATCAGAA
45 TTCTCAGAATCTCAAATAACTAAAAGGTATGCAATCAAATCTGCTTTTTAAAGAA
TGCTCTTTACTTCATGGACTTCCACTGCCATCCTCCCAAGGGGCCCAAATTCTTTC
AGTGGCTACCTACATACAATTCCAAACACATACAGGAAGGTAGAAATATCTGAA
AATGTATGTGTAAGTATTCTTATTTAATGAAAGACTGTACAAAGTATAAGTCTTA
GATGTATATATTTCCCTATATTGTTTTAGTGTACATGGAATAACATGTAATTAAGT

ACTATGTATCAATGAGTAACAGGAAAATTTTAAAAATACAGATAGATATATGCTC
TGCATGTTACATAAGATAAATGTGCTGAATGGTTTTCAAATAAAAAATGAGGTACT
CTCCTGGAAATATTAAGAAAGACTATCTAAATGTTGAAAGATCAAAAGGTTAAT
AAAGTAATTATAACT

5

SEQ ID NO: 714

ab21g06.r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:841498 5' similar
to gb:X54304 MYOSIN REGULATORY LIGHT CHAIN 2, NONSARCOMERIC
(HUMAN);, mRNA sequence gi|2217534|gb|AA487370.1|AA487370[2217534]

10 ACAAGGAAGATTTGCATGATATGCTTGCTTCTCTAGGGAAGAATCCCCTGATGC
ATACCTTGATGCCATGATGAATGAGGCCCCAGGGCCATTCAATTTACCCATGTTC
CTGACCATGTTTGGTGAGAAGTTAAATGGCACAGATCCTGAAGATGTCATCAGA
AACGCCCTTTGCTTGCTTTGATGAAGAAGCAACAGGCACCATTTCAGGAAGATTACC
TAAGAGAGCTGCTGACAACCATGGGGGATCGGTTTACAGATGAGGAAGTGGATG
15 AGCTGTACAGAGAAGCACCTATTGACAAAAAGGGGAATTTCAATTACATCGAGT
TCACACGCATCCTGAAACATGGAGCCAAAGACAAAGATGACTGAAAGAACTTTA
G

SEQ ID NO: 715

20 H.sapiens mRNA for central cannabinoid receptor
gi|736236|emb|X81120.1|HSCANN6[736236]

TCGGCTTATTTGTTTTCCCTCCTCTTAGGATTGCCCCCTGTGGGTCACCTTCTCAGT
CATTTTGAGCTCAGCCTAATCAAAGACTGAGGTTATGAAGTCGATCCTAGATGGC
CTTGTCAGATACCACCTCCGGACCATCACCACTGACCTCCTGTACGTGGGCTCAA
25 ATGACATTCAGTACGAAGACATCAAAGGTGACATGGCATCCAAATTAGGGTACT
TCCCACAGAAATTCCCTTTAACTTCCTTTAGGGGAAGTCCCTTCCAAGAGAAGAT
GACTGCGGGAGACAACCCCCAGCTAGTCCCAGCAGACCAGGTGAACATTACAGA
ATTTTACAACAAGTCTCTCTCGTCCTTCAAGGAGAATGAGGAGAACATCCAGTGT
GGGGAGAACTTCATGGACATAGAGTGTTCATGGTCCTGAACCCCAGCCAGCAG
30 CTGGCCATTGCAGTCCTGTCCCTCACGCTGGGCACCTTCACGGTCCTGGAGAACC
TCCTGGTGCTGTGCGTCATCCTCCACTCCCGCAGCCTCCGCTGCAGGCCTTCCTAC
CACTTCATCGGCAGCCTGGCGGTGGCAGACCTCCTGGGGAGTGTCAATTTTGTCT
ACAGCTTCATTGACTTCCACGTGTTCCACCGCAAAGATAGCCGCAACGTGTTTCT
GTTCAAACCTGGGTGGGGTACAGGCCTCCTTCACTGCCTCCGTGGGCAGCCTGTTC
35 CTCACAGCCATCGACAGGTACATATCCATTACAGGCCCCCTGGCCTATAAGAGGA
TTGTCAACCAGGCCCAAGGCCGTGGTGGCGTTTTTGCTGATGTGGACCATAGCCAT
TGTGATCGCCGTGCTGCCTCTCCTGGGCTGGAACCTGCGAGAACTGCAATCTGTT
TGCTCAGACATTTTCCCACACATTGATGAAACCTACCTGATGTTCTGGATCGGGG
TCACCAGCGTACTGCTTCTGTTTCATCGTGTATGCGTACATGTATATTCTCTGGAAG
40 GCTCACAGCCACGCCGTCCGCATGATTCAGCGTGGCACCCAGAAGAGCATCATC
ATCCACACGTCTGAGGATGGGAAGGTACAGGTGACCCGGCCAGACCAAGCCCCG
ATGGACATTAGGTTAGCCAAGACCCTGGTCCTGATCCTGGTGGTGTGATCATCT
GCTGGGGGCCCTCTGCTTGCAATCATGGTGTATGATGTCTTTGGGAAGATGAACAA
GCTCATTAAGACGGTGTGTTGCATTCTGCAGTATGCTCTGCCTGCTGAACTCCACC
45 GTGAACCCCATCATCTATGCTCTGAGGAGTAAGGACCTGCGACACGCTTTCCGGA
GCATGTTTCCCTCTTGTGAAGGCACTGCGCAGCCTCTGGATAACAGCATGGGGGA
CTCGGACTGCCTGCACAAACACGCAAACAATGCAGCCAGTGTTTCACAGGGCCGC
AGAAAGCTGCATCAAGAGCACAGTCAAGATTGCCAAGGTAACCATGTCTGTGTC
CACAGACACGTCTGCCGAGGCTCTGTGAGCCTGATGCCTCCCTGGCAGCACAGG

AAAAGAATTTTTTTTTTTAAGCTCAAAATCTAGAAGAGTCTATTGTCTCCTTGGTT
 ATATTTTTTTAACTTTACCATGCTCAATGAAAAGGTGATTGTCACCATGATCACTT
 ATCAGTTTGCTAATGTTTCCATAGTTTAAAGTACTCAAACCTCCATTCTCCAGGGGTT
 TACAGTGAAGAAAGCCTGTTGTTTAAAGTACTGAACGATCCTTCAAAGTCTCAAT
 5 GAAATAGGAGGGAAACCTTTGGCTACACAATTGGAAGTCTAAGAACCCATGGAA
 AAATGCCATCAAATGAATAATGCCTTTGTAACCACAACCTTTCATAAATGTGAA
 ATGTAAGTGTCCGTAGTATCAGAGATGTCCATTTTACAAGTTATAGTACTAGAG
 ATATTTTGTAAAATGTATTATGTCCTGTGAGATGTGTATCAGTGTATTATGTGCTAT
 TAATATTTGTTTAGTTTCAGCCAAACTGAAAGGTAGACTTTTATGAGAACAATGGA
 10 CAAGCAGTGGATACGTGTCAATGTGTGCACTTTTTTTCTATATTATTGCCCATGAT
 ATAACCTTTAGAAATAAACCTTAATATTTCTTCCCAAAAAAAAAAAAAA

SEQ ID NO: 716

Human mRNA for dihydropteridine reductase (hDHPR)

15 gi|30818|emb|X04882.1|HSDHPR[30818]
 CGGAGCCGGGCTGGCAGGAGCAGGATGGCGGCGGCGGCGGCTGCAGGCGAGGC
 GCGCCGGGTGCTGGTGTACGGCGGCAGGGGCGCTCTGGGTTCTCGATGCGTGCA
 GGCTTTTCGGGCCCCGCAACTGGTGGGTTGCCAGCGTTGATGTGGTGGAGAATGAA
 GAGGCCAGCGCTACGATCATTGTTAAAATGACAGACTCGTTCCTGAGCAGGCT
 20 GACCAGGTGACTGCTGAGGTTGGAAAGCTCTTGGGTGAAGAGAAGGTGGATGCA
 ATTCTTTGCGTTGCTGGAGGATGGGCGGGGGCAATGCCAAATCCAAGTCTCTCT
 TTAAGAACTGTGACCTGATGTGGAAGCAGAGCATATGGACATCGACCATCTCCA
 GGCATCTGGCTACCAAGCATCTCAAGGAAGGAGGGCTCCTGACCTTGGCTGGCGC
 AAAGGCTGCCCTGGATGGGACTCCTGGTATGATCGGGTACGGCATGGCCAAAGGG
 25 TGCTGTTACACCAGCTCTGCCAGAGCCTGGCTGGGAAGAACAGCGGCATGCCGCC
 CGGGGCAGCCGCCATCGCTGTGCTCCCGGTTACCCTGGATACCCCGATGAACAGG
 AAATCAATGCCTGAGGCTGACTTCAGCTCCTGGACACCCTTAGAATTCCTAGTTG
 AAATTTCCATGACTGGATCACAGGGAAAAACCGACCGAGCTCAGGAAGCCTAA
 TCCAGGTGGTAACCACAGAAGGAAGGACGGAACTCACCCAGCATATTTTATAGG
 30 CCTCATCTCAGTGCCTATGAGGGGCTGCCAGAAAAGTCACTAACCTGTCTCAGT
 GTGGCCTTGTCCAGCCTTGTGTTTTCTGTAACCCCTGTTTGTGGTACGAGATAATG
 AGTCCTATTTTTCTCTCACATAATATGCATTTGCTCTCCTAGGACAGTGTAATACA
 TTTATGTGAAGTAAAGACATGCGAGACTGGTGGCCTGCAAATAGCATCCGTCAAT
 CTGTGTTAACTGCATAGGGAGGGCTCTGCATAGCACCTGCTATAGCGGTGTCATG
 35 TTGGATCGCTTTTGTGACTGTTTCATCTGTCCTTGACAGTGGCTGTCATCTTGACTA
 CTTTGTGATTGTTGGTATTGGGGACATTTTAAAGGCTGAGTTATTTTGAATGT
 CATGTTTATGTCATAGACGTAGTTTTCGCATCCTTGAATTAACTGCCTTAACTCC
 TTTTGTGGTAT

40 SEQ ID NO: 717

aa24g12.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:814246 5' similar to

gb:D00762 PROTEASOME COMPONENT C8 (HUMAN);, mRNA sequence

gi|2191760|gb|AA465593.1|AA465593[2191760]

45 CGATGACTCAATCGGCACTGGGTATGACCTGTCAGCCTCTACATTCTCTCCTGAC
 GGAAGAGTTTTTCAAGTTGAATATGCTATGAAGGCTGTGGAAAATAGTAGTACA
 GCTATTGGAATCAGATGCAAAGATGGTGTGTTGCTTTGGGGTAGAAAAATTAGTCC
 TTTCTAACTTTATGAAGAAGGTTCCAACAAAAGACTTTTTAATGTTGATCGGCA
 TGTTGGAATGGCAGTAGCAGGTTTGTGTCAGATGCTCGTTCTTTAGCAGACATA
 GCAAGAGAAGAAGCTTCCAACCTCAGATCTAACTTTGGCTACAACATTCCACTAA

AACATCTTGCAGACAGAGTGGCCATGTATGTGCATGCATATACACTCTACAGTGC
TGTTAGACCTTTTGGGCTGCAGTTTCA

SEQ ID NO: 718

5 zx10e07.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:786084 3',
mRNA sequence gi|2162337|gb|AA448667.1|AA448667[2162337]
ATAAATCTATAGTTTTATTAAGACAAAACTGACAATGTAGTATGAAGTTTACAT
TAAA
CAAAGTTTACACAGGAATCTAACACATGCCTAAAAGAATTTTACAACGTAGCTCT
10 AGATGCAAGTCTAGACAATATCAAGAACTGATGGTTCTCATGACTCAAGACAGA
GCATTTTGGGTATGTTACTTATTAGGATTTCTTAAAAAATTGTTTTGTGTGTGTAT
GTGTGTGTTTTAAAGTGAACCACTGCCCAATATGAAAGTTTAATCTTCTCCTGAG
ACCAAGGCTTTTGAATCACTAACTCTTGGATCAATTCAGTGAACTTGTGCTG
TCAGTGACTGAACCCTGCCAACAATGGTTTCAGTGTTCAAAGCTCAAAGAAAAC
15 GGCT

SEQ ID NO: 719

Human hyaluronate receptor (CD44) gene, exon 1

gi|180127|gb|M69215.1|HUMSCG01[180127]

20 TGGTTTGTGGTTTTTATGAAGAGATGTGAAAAAGGAAGTGTGGAATGATGGGAT
GAGAAGTTGTATGGGGAAGATGAATAGAAGAATTAGGTGGTTGAATAAAATTAA
AAAGGTGTGTGGTTGGATGAATGAATGAGTGGGATGATAGATGGACCTAAGTGGT
TAGTGGATGGACAGGAGGATGGATGGATGTGAGAGCCCCAGAAGGACATAAGG
AAAGATGGGTGGATAGATGGATGGGCGGATGGAAGGATATTTAGGAGGATGAAT
25 GAGCATGTGTGTGGAGAGAGGTGCCCATTCACACTGGCTTGAACACATGGGTTA
GCTGAGCCAAATGCCAGCCCTATGACAGGCCATCAGTAGCTTTCCCTGAGCTGTT
CTGCCAAGAAGCTAAAATTCATTCAAGCCATGTGGACTTGTTATTGAGGGGAAA
AAGAATGAGCTCTCCCTCTTTCCACTTGGAAGATTCACCAACTCCCCACCCCTCA
CTCCCCACTGTGGGCACGGAGGCACTGCGCCACCCAGGGCAAGACCTCGCCCTCT
30 CTCCAGCTCCTCTCCAGGATATCCAACATCCCTGTGAAACCAGAGATCTTGCTC
CAGCCGGATTACAGAGAAATTTAGCGGGAAAGGAGAGGCCAAAGGCTGAACCCA
ATGGTGCAAGGTTTTACGGTTCGGTCATCCTCTGTCTGACGCCGCGGGGCCAGC
GGGAGAAGAAAGCCAGTGCCTCTCTGGGCGCAGGGGCCAGTGGGGCTCGGAGG
CACAGGCACCCCGCGACACTCCAGGTTCCCCGACCCACGTCCCTGGCAGCCCCGA
35 TTATTTACAGCCTCAGCAGAGCACGGGGCGGGGGCAGAGGGGGCCCGCCGGGAG
GGCTGCTACTTCTTAAACCTCTGCGGGCTGCTTAGTCACAGCCCCCTTGCTTGG
GTGTGTCCTTCGCTCGCTCCCTCCCTCCGTCTTAGGTCACTGTTTTCAACCTCGAA
TAAAAACTGCAGCCAACTTCCGAGGCAGCCTCATTGCCAGCGGACCCAGCCTC
TGCCAGGTTTCGGTCCGCCATCCTCGTCCCGTCCTCCGCCGGCCCCCTGCCCGCGC
40 CCAGGGATCCTCCAGCTCCTTTGCCCCGCGCCCTCCGTTCGCTCCGGACACCATG
GACAAGTTTTGGTGGCACGCAGCCTGGGGACTCTGCCTCGTGCCGCTGAGCCTGG
CGCAGATCGGTGAGTGCCCGCCGCAGGCTGGGCAGCAAGATGGGTGCGGGGTGC
TCAGCGCGGAC

45 SEQ ID NO: 720

yi63g06.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:143962 5', mRNA
sequence gi|851402|gb|R76770.1|R76770[851402]

AATTCGGAACGAGGNCTGTACAACACAGTGTGCATACAGGGATAATGCTATCATA
TTTAATATGAAACAGTGTTACGGGCACAAATTACCCATTTCTACAAAATAAGTGT

GCAAGTGATGCCACATATTATCCATATTCAACTGAGCTGTCATCAAAAATACATTT
 TATTTACAATATGTACTATGATCAGTTGGATATTAAGTTCTAAAATGATTTACTTC
 ACTGCTACATTATAAAGGTAAAAGCAATGTGTAGGAAAAAGTGTGAGATTGTGT
 TTTTACATACTGCTTTTGTAGTTGCCATCGCTGGTTCAGTTCGACTTATAACATAT
 5 GTCTTGCTTGTAGGATTTAACACCTCCAATAGGGGATTCTTCTAACATTACAGGA
 GGATTCTTAGGGGATCCGGGGCTTTTTTCANCAGTATAT

SEQ ID NO: 721

yi07h02.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:138579 5', mRNA
 10 sequence gi|835174|gb|R63295.1|R63295[835174]

AATTCGGAACGAGGGAGAAATCAGTCTGGTTTCCATCCCAGTCGGGGAAGAGAG
 AGGTGAGAGGGAATCAGAACGTACCTAGTTGATTCCCTTGGTGACAAGTGCAATG
 GGGTATGGGTAGAATTTATTTTCAGAGCCAAGAGGACTTGATGGTTATAAATAAA
 GTTGCCTTTAGCAATGGAATTTACAGATCGATCATGTTGTTCCNAAAGATGTGAA
 15 TAGGATCCACAATAACAAGTTGATTACAGACTAATGTAGATATTTAGATTAGCAAG
 TATTGAACATTTGATTTCTTAGGACTGAGCTTTTAAATGAATTTCCATTATTTCTT
 CC

SEQ ID NO: 722

20 Homo sapiens P2U nucleotide receptor mRNA, complete cds
 gi|984506|gb|U07225.1|HSU07225[984506]

CGGCACGAGGCACCCCGAGAGGAGAAGCGCAGCGCAGTGGCGAGAGGAGCCCC
 TTGTGGCAGCAGCACTACCTGCCGAGAAAAATGCTGGAGGGCTGGGCGTGGCGCC
 AGGCCTGGGGACCTGTTTTCTGTTTCCCGCAGAGTTCCCTGCAGCCCGGTCCA
 25 GGTCCAGGCGTGTGCATTCATGAGTGAGGAACCCGTGCAGGCGCTGAGCATCCT
 GACCTGGAGAGCAGGGGCTGGTCAGGGCGATGGCAGCAGACCTGGGCCCCCTGGA
 ATGACACCATCAATGGCACCTGGGATGGGGATGAGCTGGGCTACAGGTGCCGCT
 TCAACGAGGACTTCAAGTACGTGCTGCTGCCTGTGTCTACGGCGTGGTGTGCGT
 GCTTGGGCTGTGTCTGAACGCCGTGGCGCTCTACATCTTCTTGTGCCGCCTCAAG
 30 ACCTGGAATGCGTCCACCACATATATGTTCCACCTGGCTGTGTCTGATGCACTGT
 ATGCGGCCTCCCTGCCGCTGCTGGTCTATTACTACGCCCCGCGGCGACCACTGGCC
 CTTACGACACGGTGTCTGTCAAGCTGGTGCCTTCTTCTACACCAACCTTTACT
 GCAGCATCCTCTTCTCACCTGCATCAGCGTGCACCGGTGTCTGGGCGTCTTACG
 ACCTCTGCGCTCCCTGCGCTGGGGCCGGGCCCGCTACGCTCGCCGGGTGGCCGGG
 35 GCCGTGTGGGTGTTGGTGTCTGGCCTGCCAGGCCCGGTGCTCTACTTTGTACCA
 CCAGCGCGCGCGGGGGCCGCGTAACCTGCCACGACACCTCGGCACCCGAGCTCT
 TCAGCCGCTTCGTGGCCTACAGCTCAGTCATGCTGGGCCTGCTCTTCGCGGTGCC
 CTTTGCCGTCATCCTTGTCTGTTACGTGCTCATGGCTCGGCGACTGCTAAAGCCAG
 CCTACGGGACCTCGGGCGGCCTCCCTAGGGCCAAGCGCAAGTCCGTGCGCACCA
 40 TCGCCGTGGTGTCTGGCTGTCTTCGCCCTCTGCTTCCTGCCATTCCACGTACCCGC
 ACCCTCTACTACTCCTTCGCTCGCTGGACCTCAGCTGCCACACCCTCAACGCCAT
 CAACATGGCCTACAAGGTTACCCGGCCGCTGGCCAGTGCTAACAGTTGCCTTGAC
 CCCGTGCTCTACTTCCCTGGCTGGGCAGAGGCTCGTACGCTTTGCCCGAGATGCCA
 AGCCACCCACTGGCCCCAGCCCTGCCACCCCGGCTCGCCGCAGGCTGGGCCTGCG
 45 CAGATCCGACAGAAGTACATGCAGAGGATAGGAGATGTGTTGGGCAGCAGTGA
 GGACTTCAGGCGGACAGAGTCCACGCCGGCTGGTAGCGAGAACACTAAGGACAT
 TCGGCTGTAGGAGCAGAACACTTCAGCCTGTGCAGGTTTATATTGGGAAGCTGTA
 GAGGACCAGGACTTGTGCAGACGCCACAGTCTCCCCAGATATGGACCATCAGTG
 ACTCATGCTGGATGACCCCATGCTCCGTCATTTGACAGGGGCTCAGGATATTCAC

TCTGTGGTCCAGAGTCAACTGTTCCCATAACCCCTAGTCATCGTTTGTGTGTATAA
 GTTGGGGGAATTAAGTTTCAAGAAAGGCAAGAGCTCAAGGTCAATGACACCCCT
 GGCCTGACTCCCATGCAAGTAGCTGGCTGTACTGCCAAGGTACCTAGGTTGGAGT
 CCAGCCTAATCAAGTCAAATGGAGAAACAGGCCAGAGAGGAAGGTGGCTTACC
 5 AAGATCACATAACCAGAGTCTGGAGCTGAGCTACCTGGGGTGGGGGCCAAGTCAC
 AGGTTGGCCAGAAAACCCTGGTAAGTAATGAGGGCTGAGTTTGCACAGTGGTCT
 GGAATGGACTGGGTGCCACGGTGGACTTAGCTCTGAGGAGTACCCCCAGCCCCA
 GAGATGAACATCTGGGGACTAATATCATAGACCCATCTGGAGGCTCCCATGGGC
 TAGGAGCAGTGTGAGGCTGTAACCTATACTAAAGGTTGTGTTGCCTGCTAAAAAA
 10 AA

SEQ ID NO: 723

aa50e04.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:824382 3', mRNA
sequence

15 gi|2219301|gb|AA489699.1|AA489699[2219301]
 TTTTTTTTTTGAATAATTGAAGAATTCAGTTAAATATTTATTGAACAAATGCAG
 AGTA
 AATGAACTAAGGGCTGTTATAACCTTAAGTTACAACAAACAACTTCAAATATTCA
 GAGGGCTGTACACAGAGAATGAAAGACTTGCTCAGTATTTCTCCAAAGGGCAG
 20 AACTTGAGCCAAGGGATAAATATAAGCAACCAATGGGCTGCAGGATAGTTGTAC
 AAAGTGTATCATGTATCTTCATAGCTTCTTTGCCCATATAATGCATTCCACACTTA
 AGTTTCTCCTTCTAAAAGGGGACACGACAAGTTAATATGTCTCATAAATGTCTTA
 AATAAGTTGCATTTTCATGGCAAGCCCTCCACTGCCAGCAATGGATATACTCACA
 CTATTGGAAAAAATCTAAAGTTAACAACAACTGGTTTAGTATGGAAATGGTCTATTT
 25 GTTCCTCAGCTATGTTTCTGTATCCTACATTAGTGGCTCTCAGGAGG

SEQ ID NO: 724

HUMHBC4799 Human pancreatic islet Homo sapiens cDNA similar to alpha-1
antichymotrypsin, mRNA sequence gi|1262485|dbj|D83812.1|D83812[1262485]

30 CGCAGACAATGATGGTCTTGGTGAATTACATCTTCTTTAAAGCCAAATGGGAGAT
 GCCCTTTGACCCCCAANATACTCATCAGTCAAGGTTCTACTTGAGCAAGAAAAAG
 TGGGTAATGGTGCCCATGATGAGTTTGCATCACCTGACTATACCTTACTTCCGGG
 ACGAGGAGCTGTCCTGCACCGTGGTGGAGCTGAAGTACACAGGCAATGCCAGCG
 CACTCTTCATCCTCCCTGATCAAGACAAGATGGAGGAAGTGGAAGCCATGCTGCT
 35 CCCANAGACCCTGAAGCGGTGGAGAGACTCTCTGGAGTTCANAGAGATAGGTGA
 GCTCTACCTGCCAAAGTTTTCCANCTCGAGGGACTATAACCTGAACGACATNCTT
 CTCCAGCTGGGCATTGAGGAAGCCTTC

SEQ ID NO: 725

40 zx84c12.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:810454 3',
 mRNA sequence gi|2179839|gb|AA457119.1|AA457119[2179839]
 CTCATCAAAACATGATTTATTAATTTTAAGCAAGAGTAAGCATATGTGATAGTGG
 CCAGCTTGGGGATAGAACTCTTCCTGGTTGATGCACAGTTCAGCACCTGTTGGGT
 CTTGGCTGTTGGGATGATAATTCTTTTGGGTGAGGGGAACAGCCGTGGTCAAGGC
 45 TGCCTGCACCCCCATCCAGGCACAGGACCCTGGGCAAAGTCTCAAAAGAGGAG
 TGTTTTTACTTTCGCACCAACAATAACAATAAGTATTGGGTACAAAAGAGGAGA
 TTTCCTTCCCCTCTACCTCAACGGGCAAAGGCCTTCCATCTTCAGAAGAGGCTT
 GTGAGGACCATCGGTTGGATGACCTCCTAGTGAGTTCTGGCTCCCATTCAGAGCA

SEQ ID NO: 726

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SEQ ID NO: 727

30
SEO ID NO: 728

605

CTACGACCCTGAGAGCGACACCCTGACGCTGAGTGGGGAGATGGCTGTCAAGCG
 GGAGCAGCTCAAGAATGGCGGCCTGGGCGTAGTCTCCGACGCCATCTTTGAACT
 GGGCAAGTCACTCTCTGCCTTTAACCTGGATGACACGGAAGTGGCTCTGCTGCAG
 GCTGTGCTGCTAATGTCAACAGACCGCTCGGGCCTGCTGTGTGTGGACAAGATCG
 5 AGAAGAGTCAGGAGGCGTACCTGCTGGCGTTCGAGCACTACGTCAACCACCGCA
 AACACAACATTCCGCACTTCTGGCCCAAGCTGCTGATGAAGGTGACTGACCTCCG
 CATGATCGGGGCTGCCACGCCAGCCGCTTCCTCCACATGAAAGTCGAGTGCCCC
 ACCGAACTCTTCCCCCCTCTTCTCGAGGCTTTTGAGGATCAGGAAGTCTAAA
 GCCTCAGGCGGCCAGAGGGTGTGCGGAGCTGGTGGGGAGGAGCCTGGAGAGAA
 10 GGGGCAGAGCTGGGGGCTGAGGGAGACCCCCCACACCCCTTCTCTCCTTCTCT
 CGTCCTTGGATAGATTCAGCTCCACACACACACACCCCGCACTGCCAGGTCCCTC
 CTCAGACCTCCAGCCCTGGGACAGGGCAAACAACCTGAACTTGCTATGGAAAGGA
 CAGTGTGGGAGGCTGGGGGAGCTGTGTCCTGCAGTTCCAGGACCCCATCCTCTC
 AGAAGGTAGGGGAAGGGCGGGAGGATTGAGAAGGGACAAGCCACCTTGACCGT
 15 AGGGGAAGGAGGAATGTGGGCTGGGGGAAGATGCCCTCAACTACCCCCCTCACA
 CACATGAGAGAGAGCCCCACCCAGTTCCCTTGGCCTAGGTCTCCCTCCAGGCTG
 AGGGCCTCTCTACTTCCCCAGATGCCTGGGTGCAAAGAACGGCTTGGCTTGGCTC
 CTCCTCTGGAGGTTAAAATTTATAGTCATTCTAACTGCACTTGGAACCAAGCAA
 GGGGAGAAGACAAATGAAGAAAACT

20

SEQ ID NO: 729

ac40d05.s1 Gessler Wilms tumor Homo sapiens cDNA clone IMAGE:8982813' similar to
 gb:X53416 ENDOTHELIAL ACTIN-BINDING PROTEIN (HUMAN);, mRNA sequence
 gi|2432277|gb|AA598978.1|AA598978[2432277]

25 TTTTTTTTAAATGGAAGCAAACTTTATTCCTCTTGGCTGGAGAAGAGAAGTACTAGT
 GGGTGGTTGTGTACAGGACCCCATCCCTCACCCCTCCCAGAACCAAAGAAGAC
 AAGCAGCGCCACCAAATGGCTCCCTCTGCCCAAGTGAAAGCCGAGAGGTCAGCG
 GCTGGCTGGGGAGGCAGGTGAGCGCACACGGCACAGGGCAGGGGCGGCTGCAG
 TGACAGGCGGGCGGCCAGGGCGGCCTGGGCCGGGGTTGAGGGGAAGAGGGCGG
 30 GGCTGCTTGGGTAGCGGGGCAGGCTTGGGGGCTGCCGGCTGGCACGGGCCCCAG
 ACTCAGGGCACCAACGCGGTAGGGGCTGCCTGGGATGTGCTCGTCCCCCATT
 TGACCACCAAGTGTGTAATCCCCCTTGTCTTGAGCAGGTAGGACACGCTGTAGAG
 CCGGATTGCCAAGTTCTTTACCAGGAGTTTCCCGCAGGGGGCCTTTGGCCATTAA
 CCCCACC

35

SEQ ID NO: 730

yr86d03.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:212165 3'
 similar to gb:Z22548 THIOL-SPECIFIC ANTIOXIDANT PROTEIN (HUMAN);, mRNA
 sequence gi|1030355|gb|H68845.1|H68845[1030355]

40 TTCCCTAATACTTTATTGGNTACCTCTAGGCCTGTGTGCGGCTGGGTGGGCTTGG
 GGGAGGGCGTCACTATTCAGCTTCTAGGTGGAGGCATGAGAAGGCCTTGGCTAG
 NCCCTCCAGGGTCCCATACTGTGGAGTTTGGAGGGGCAGGTCTGGCCTTTCTCTGG
 GTCAGCATAGGGCACCCAGGTNGGGGCACAGGTGGACACCCAGCACAGGCACCT
 AGGCAGGGGCACAAGCTCACTATCCGTTAGCCAGCCTAATTGTGTTTGGAGAAAT
 45 ATTCCTTGCTGTCATCCACGTTGGGCTTAATCGTGTCACTACCAGGCTTCCAGCCA
 GCGGGANAACTTTCCCCATGCTCGTCTGTGTACTGGGAAGGNCTGGGACCAGC
 CGCAGAGCCTANATTCCACGGAGCGTCCCACAGGCAAAT

SEQ ID NO: 731

ab23b05.r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:841617 5' similar to TR:E183625 E183625 ORNITHINE DECARBOXYLASE ANTIZYME ;, mRNA sequence

5 gi|2217845|gb|AA487681.1|AA487681[2217845]
 GTGCTGAGTGGCGGCACTCTACATCGAGATCCCGGGCGGCGGCTGCCCCGAGGGG
 AGCAAGGACAGCTTTGCAGTTCTCCTGGAGTTCGCTGAGGAGCAGCTGCGAGCC
 GACCATGTCTTCATTTGCTTCCACAAGAACCGCGATGACAGAGCCGCCTTGCTCC
 GAACCTTCAGCTTTTTGGGCTTTGAGATTGTGAGACCGGGGCATCCCCTTGCTCC
 10 CAAGAGACCCGACGCTTGCTTCATGGCCTACACGTTTCGAGAGAGAGTCTTCGGG
 A

SEQ ID NO: 732

Human elastase III B mRNA, complete cds, clone pCL1E3

15 gi|607029|gb|M18692.1|HUMELA3A[607029]
 CCTATCATCGCAAACTCATGATGCTCCGGCTGCTCAGTTCCTCCTCCTTGTGGC
 CGTTGCCTCAGGCTATGGCCACCTTCCTCTCGCCCTTCCAGCCGCGTTGTCAATG
 GTGAGGATGCGGTCCCCTACAGCTGGCCCTGGCAGGTTTCCCTGCAGTATGAGAA
 AAGCGGAAGCTTCTACCACACCTGTGGCGGTAGCCTCATCGCCCCGACTGGGTT
 20 GTGACTGCCGGCCACTGCATCTCGAGCTCCCGGACCTACCAGGTGGTGTGGGCG
 AGTACGACCGTGCTGTGAAGGAGGGCCCCGAGCAGGTGATCCCCATCAACTCTG
 GGGACCTCTTTGTGCATCCACTCTGGAACCGCTCGTGTGTGGCCTGTGGCAATGA
 CATCGCCCTCATCAAGCTCTCAGGCAGCGCCAGCTGGGAGACGCCGTCCAGCTC
 GCCTCACTCCCTCCGGCTGGTGTGACATCCTTCCCAACGAGACACCCTGCTACATCA
 25 CCGGCTGGGGCCGTCTCTATACCAACGGGCCACTCCCAGACAAGCTGCAGGAGG
 CCCTGCTGCCGGTGGTGGACTATGAACACTGCTCCAGGTGGAAGTGGTGGGGTTC
 CTCCGTGAAGAAGACCATGGTGTGTGCTGGAGGGGACATCCGCTCCGGCTGCAA
 TGGTGAATCTGGAGGACCCCTCAACTGCCCCACAGAGGATGGTGGCTGGCAGGT
 CCATGGCGTGACCAGCTTTGTTTCTGCCTTTGGCTGCAACACCCGCAGGAAGCCC
 30 ACGGTGTTCACTCGAGTCTCCGCCTTCATTGACTGGATTGAGGAGACCATAGCAA
 GCCACTAGAACCAAGGCCAGCTGGCAGTGCTGATCGATCCCACATCCTGAATA
 AAGAADAAGATCTCTCAG

SEQ ID NO: 733

35 yq07g06.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:196282 3',
 mRNA sequence gi|960149|gb|R92609.1|R92609[960149]
 TGCTGTTAGTTTAATGTGGACAGAGACATCCCACGGCGTGACTGTTAGTTAGGAT
 GAGTCAGCTTGGGGGAGTTTGTGCTTCCTGCTTGGNGTGGCCAGCCACATGCCAA
 GGTCCTCCTGCCTTCTAGCCCAGAATGACGGGACTGGGCAGAACACCCCCAACTTT
 40 TAGCTGCCACTTGGCTCATTACAGCAGTACCAGTATGGGGGTGGGAGGGGTGAG
 GCTNTGGAGTGAAGGCGGCGTATAGGGCAGAGACTAAGAGGGTCTGTGAGATT
 CTTAGAGGAGCCATCCTGNTCCAAGGGGCTGAGCTGAGTNTGGGTCTGTGAGC
 ATCTGCTGCTCCTCTCAGAGAGGGGAGATCTCACTCTCTGCCAGTCTGTCTAGCC
 CCAAAG

45

SEQ ID NO: 734

yv19b06.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:243155 3',
 mRNA sequence gi|1102102|gb|H94469.1|H94469[1102102]
 GCAAAACAACATTTATTCTTTAAAAAATCTATATACATTGCCATACAAAGATAC

CACATTGAAGCAGTTCTCAGGAACCTTCCAGTGAGCCTTCTCTTATAATTGCCCG
 AGCAAGATTTTCGTGCCAGAGAAAGTCTCAGCATTTCACCTTGGTGTNCTCTATG
 TCATCATCCTGGAGCTGCTCGGTATCAGATTCTCCATGCACAGGTCTTCTTGACGT
 CAAGTCCTCCAGACACCGCATCAACTCATAAGTCTGTTCTGCTGAGAAAATCACC
 5 TGTCTTCTGTTCCAAAAGGGGCAAGGCATCTGTCAGCAGAGTTCATCCCAGAAAGA
 CCGAAGGGGCAATCCGAGACGTCATCAAGGACAGAAGGA

SEQ ID NO: 735

aa91g07.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:838716 3'
 10 similar to TR:G173234 G173234 RIBOSOMAL 5S RNA-BINDING PROTEIN ;, mRNA
 sequence

gi|2180364|gb|AA457644.1|AA457644[2180364]
 TAGTATGAAACTTAGTGTTTTAGTAGATCTTGTGATTTCTGAAAACGAATTTCTTC
 TAAACATCAAGCTATTTTTCTTCACTATCTATACCTGCTATGCAGAGATTGAGAA
 15 CCAAACCAAATGGATATCTGCTTTTAAGATTAGAATTTGTTCTTCATCCTTAAAGC
 AGAACTCATTGAGATGAAAAGATGCTCTTAATTTATCACAGAACTGTGTATTTAA
 TAGTATGCTTATTAATAATCACGAAGTGTACTGGAATGCTAAGATAAAAGAACTGT
 ATAGTTTCTGTTATGTAATACGAGAATAGAAATGTTATTAATAATCTTTCTATAATT
 TCCAGTGCTTCTGTTTTGAAGAACAAGGCTTAATCCCCAAGAGGAAGTAGATAT
 20 GCCAGTGTTTTTCTACATTGATCCTGAATTTGCTGAAGATCCA

SEQ ID NO: 736

H.sapiens CD18 exon 14 gi|29753|emb|X63924.1|HSCD18X14[29753]
 CTCCCCGCAGCTCCTGCGCCGAGTGCCTGAAGTTCGAAAAGGGCCCCCTTTGGGAA
 25 GAACTGCAGCGCGGCGTGTCCGGGCTGCAGCTGTGCAACAACCCCGTGAAGGG
 CAGGACCTGCAAGGAGAGGGACTCAGAGGGCTGCTGGGTGGCCTACACGCTGGA
 GCAGCAGGACGGGATGGACCGCTACCTCATCTATGTGGATGAGAGCCGAGGTGA
 GGCCGC

SEQ ID NO: 737

ye81h02.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:124179 3',
 mRNA sequence gi|751008|gb|R01272.1|R01272[751008]

TCTTTATTTAAAATAAAGTTTAAAAATAATGTGGGTAGTGTAATAATATTAATACA
 GAAATGTATAAAGTTGAAAGTTTCATGTGATCTACACTGTTCAAAGAAAGCTGTG
 35 AATAGACCTTTCTATGCATTTATAAACATAAGCACACACATTTTAAAATGAGTTC
 AACTGTACACTTTTCTATTAATAACTTGTTTCACCTAATGTATCATGGCCATTTT
 TCCATACACAATGAATGTACTTTATTCATTTTAACAGATACGAGGATATTCCTAT
 ATGGGCTGGAACACACCTTTAACCTTATCCCTTTAATGACAGGACATTTAGGGN
 TTTCTATTACTTTCTACCCATGGTCCATTTTACGGCTTCTGTGGGGGATCCTTAA
 40 ATATTCCCCTCAGGTTCCCGGTTTCCATTTTGT

SEQ ID NO: 738

zx35f11.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:788493 3',
 mRNA sequence gi|2166225|gb|AA452556.1|AA452556[2166225]

TTTTGAAAGTAAAAATTTTATTTTGATTGATTTCTCAATGTATAGTTTCAGTATAA
 TGCCAGTTTTTAATGGCAAAAATTTGGTTCCACTGAACTCCATAATGCTACAGA
 GAGCTACTACTTTTCCAGGAAGTAGGTTAACAGCTAGAAAAGAAAAAGGACAAT
 TTCCTAGCAGCATGGCAACTTAACTGCAGATCTAATAGGTCTGCAACTTTTACA
 CTAATAATGGCACAAACAGCTGGTGACACAAGTGAGAAATGGGGAACAAGATG

SEQ ID NO: 739

15

ye40b03.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:120173 5', mRNA sequence gi|734317|gb|T95693.1|T95693[734317]

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Human (clone HSY3RR) neuropeptide Y receptor (NPYR) mRNA, complete cds
gi|189313|gb|L01639.1|HUMNYRECA[189313]

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TTTTTTTATACGATAAATAACTTTTTTTTAAAGTTACACATTTTTCAGATATAAAAAG
ACTGACCAATATTGTACAGTTTTTATTGCTTGTTGGATTTTTGTCTTGTTGTTTCTTT
AGTTTTTGTG

5 SEQ ID NO: 742

>AA504554

CACCCACGGTGACCGTTTTTCATCAGCAGCTCCCTCAACACCTTCCGCTCCGAGAA
GCGATACAGCCGCAGCCTCACCATCGCTGAGTTCAAGTGTAAGTGGAGTTGCTG
GTGGGCAGCCCTGCTTCCTGCATGGAAGTGGGAGCTGTATGGAGTTGACGACAA
10 GTTCTACAGCAAGCTG
GATCAAGAGGATGCGCTCCTGGGCTCCTACCCTGTAGATGACGGCTG

SEQ ID NO: 743

>M11723

15 TTGGAGTCAACACTTTCGATTCCACCTTGGGAAGCCCCCAAGGAGCATAAGTACA
AAGCTGAAGAGCACACAGTCGTTCTCACTGTCACCGGGGAGCCCTGCCACTTCCC
CTTCCAGTACCACCGGCAGCTGTACCACAAATGTACCCACAAGGGCCGGCCAGG
CCCTCAGCCCTGGTGTGCTACCACCCCAACTTTGATCAGGACCAGCGATGGGGA
TACTGTTTGGAGCCCAAGAAAGTGAAAGACCACTGCAGCAAACACAGCCCCTGC
20 CAGAAAGGAGGGACCTGTGTGAACATGCCAAGCGGCCCCCACTGTCTCTGTCCA
CAACACCTCACTGGAAACCACTGCCAGAAAGAGAAGTGCTTTGAGCCTCAGCTT
CTCCGGTTTTTCCACAAGAATGAGATATGGTATAGAAGTGAAGCAAGCAGCTGTGG
ACCCAGATGCCAGTGCAAGGGTCTGATGCCCACTGCCAGCGGCTGGCCAGCCAGG
CCTGCCGCACCAACCGGTGCCTCCATGGGGGTCGCTGCCTAGAGGTGGAGGGCC
25 ACCGCCTGTGCCACTGCCCAGTGGGCTACACCGGACCCTTCTGCGACGTGGACAC
CAAGGCAAGCTGCTATGATGGCCGCGGGCTCAGCTACCGCGGCCTGGCCAGGAC
CACGCTCTCGGGTGCGCCCTGTCAGCCGTGGGCCTCGGAGGCCACCTACCGGAAC
GTGACTGCCGAGCAAGCGCGGAAGTGGGGACTGGGCGGCCACGCCTTCTGCCGG
AACCCGGACAACGACATCCGCCCCGTGGTGTCTCGTGCTGAACCGCGACCGGCTG
30 AGCTGGGAGTACTGCGACCTGGCACAGTGCCAGACCCCAACCCAGGCGGCGCCT
CCGACCCCGGTGTCCCCTAGGCTTCATGTCCCCTCATGCCCCGCGCAGCCGGCAC
CGCCGAAGCCTCAGCCCACGACCCGGACCCCGTCTCAGTCCCAGACCCCGGGAG
CCTTGCCGGCGAAGCGGGAGCAGCCGCCTTCCCTGACCAGGAACGGCCCACTGA
GCTGCGGGCAGCGGCTCCGCAAGAGTCTGTCTTCGATGACCCGCGTCTGTTGGCGG
35 GCTGGTGGCGCTACGCGGGGCGCACCCCTACATCGCCGCGCTGTACTGGGGCCA
CAGTTTCTGCGCCGGCAGCCTCATCGCCCCCTGCTGGGTGCTGACGGCCGCTCAC
TGCCTGCAGGACCGGCCCGCACCCGAGGATCTGACGGTGGTGTCTCGGCCAGGAA
CGCCGTAACCACAGCTGTGAGCCGTGCCAGACGTTGGCCGTGCGCTCCTACCGCT
TGCACGAGGCCTTCTCGCCCGTCAGCTACCAGCACGACCTGGCTCTGTTGCGCCT
40 TCAGGAGGATGCGGACGGCAGCTGCGCGCTCCTGTGCGCTTACGTTTCAGCCGGTG
TGCCTGCCAAGCGGCGCCGCGCAGCCCTCCGAGACCACGCTCTGCCAGGTGGCC
GGCTGGGGCCACCAAGTTCGAGGGGGCGGAGGAATATGCCAGCTTCTGCAGGAG
GCGCAGGTACCGTTCCTCTCCCTGGAGCGCTGCTCAGCCCCGGACGTGCACGGAT
CCTCCATCCTCCCCGGCATGCTCTGCGCAGGGTTCCTCGAGGGCGGCACCGATGC
45 GTGCCAGGGTGATTCCGGAGGCCCCGCTGGTGTGTGAGGACCAAGCTGCAGAGCG
CCGGCTCACCTGCAAGGCATCATCAGCTGGGGATCGGGCTGTGGTGACCGCAA
CAAGCCAGGCGTCTACACCGATGTGGCCTACTACCTGGCCTGGATCCGGGAGCA
CACCGTTTCCTGATTGCTCAGGGACTCATCTTCCCTCCTTGGTGATTCCGCAGTG

AGAGAGTGGCTGGGGCATGGAAGGCAAGATTGTGTCCCATCCCCCAGTGCGGC
CAGCTCCGCGCCAGGATGGCGCAGGAAGTCAATAAAGTGCTTTGAAAATGCTG

SEQ ID NO: 744

5 >S60489

CTACTCCTAGATATTTGGCATGATCTTCAGTATGATCTTGTGCTGTGCTATCCGCA
GGAACCGCGAGATGGTCTAGA

SEQ ID NO: 745

10 >M59916

GAATTCGGGCGGGGGCGCCGCCCGGGGCCCTGAGGGCTGGCTAGGGTCCAGGCC
GGGGGGGACGGGACAGACGAACCAGCCCCGTGTAGGAAGCGCGACAATGCCCC
GCTACGGAGCGTCACTCCGCCAGAGCTGCCCCAGGTCCGGCCGGGAGCAGGGAC
AAGACGGGACCGCCGGAGCCCCCGGACTCCTTTGGATGGGCCTGGTGCTGGCGC
15 TGGCGCTGGCGCTGGCGCTGGCTCTGTCTGACTCTCGGGTTCTCTGGGCTCCGGC
AGAGGCTCACCTCTTTCTCCCCAAGGCCATCCTGCCAGGTACATCGCATAGTG
CCCCGGCTCCGAGATGTCTTTGGGTGGGGGAACCTCACCTGCCCAATCTGCAAAG
GTCTATTCACCGCCATCAACCTCGGGCTGAAGAAGGAACCCAATGTGGCTCGCGT
GGGCTCCGTGGCCATCAAGCTGTGCAATCTGCTGAAGATAGCACCACTGCCGTG
20 TGCCAATCCATTGTCCACCTCTTTGAGGATGACATGGTGGAGGTGTGGAGACGCT
CAGTGCTGAGCCCATCTGAGGCCTGTGGCCTGCTCCTGGGCTCCACCTGTGGGCA
CTGGGACATTTTCTCATCTTGGAAACATCTCTTTGCTACTGTGCCGAAGCGCCCC
CCAAACCCCCCTAGCCCCCGAGCCCCAGGTGCCCCGTCTCAGCCGCATCCTCTTCCTAG
CACTGACCTGCACTGGGATCATGACTACCTGGAGGGCACGGACCCTGACTGTGC
25 AGACCCACTGTGCTGCCGCCGGGGTTCTGGCCTGCCGCCCGCATCCCGGCCAGGT
GCCGGATACTGGGGCGAATACAGCAAGTGTGACCTGCCCTGAGGACCCTGGAG
AGCCTGTTGAGTGGGCTGGGCCCAGCCGGCCCTTTTGATATGGTGTACTGGACAG
GAGACATCCCCGCACATGATGTCTGGCACCAGACTCGTCAGGACCAACTGCGGG
CCCTGACCACCGTCACAGCACTTGTGAGGAAGTTCCTGGGGCCAGTGCCAGTGTA
30 CCCTGCTGTGGGTAACCATGAAAGCATACCTGTCAATAGCTTCCCTCCCCCCTTC
ATTGAGGGCAACCACTCCTCCCGCTGGCTCTATGAAGCGATGGCCAAGGCTTGGG
AGCCCTGGCTGCCTGCCGAAGCCCTGCGCACCCCTCAGAATTGGGGGGTTCTATGC
TCTTTCCCATACCCCGGTCTCCGCCTCATCTCTCTCAATATGAATTTTGTTCCTG
TGAGAACTTCTGGCTCTTGATCAACTCCACGGATCCCGCAGGACAGCTCCAGTGG
35 CTGGTGGGGGAGCTTCAGGCTGCTGAGGATCGAGGAGACAAAGTGCATATAATT
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SEQ ID NO: 746

>W74362

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SEQ ID NO: 747

>N71365

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SEQ ID NO: 748

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SEQ ID NO: 749

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SEQ ID NO: 750

>N76338

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SEQ ID NO: 751

15 >M60626

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SEQ ID NO: 752

5 >X70070

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SEQ ID NO: 753

35 >X58454

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15 SEQ ID NO: 754

>D13538

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SEQ ID NO: 755

45 >N76944

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SEQ ID NO: 756

5 >AA451716

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SEQ ID NO: 757

>H19264

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25 SEQ ID NO: 758

>AA598527

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SEQ ID NO: 759

>AA286908

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SEQ ID NO: 760

>AA280924

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SEQ ID NO: 761

15 >AA279601

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SEQ ID NO: 762

>N22980

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SEQ ID NO: 763

>T61575

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45 SEQ ID NO: 764

>R23586

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SEQ ID NO: 765

>L08044

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SEQ ID NO: 766

>H52141

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SEQ ID NO: 767

>U39613

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SEQ ID NO: 768

5 >H91337
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SEQ ID NO: 769

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SEQ ID NO: 770

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SEQ ID NO: 771
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SEQ ID NO: 772

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SEQ ID NO: 773

>L15189

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SEQ ID NO: 774

>W60890

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SEQ ID NO: 775

>AA287196

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35 SEQ ID NO: 776

>T97257

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45 SEQ ID NO: 777

>W96114

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SEQ ID NO: 778

>AA486836

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SEQ ID NO: 779

20 >L24470

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SEQ ID NO: 780

20 >T61078

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SEQ ID NO: 781

>S40706

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SEQ ID NO: 782

>H25907

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SEQ ID NO: 783

>N90246

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SEQ ID NO: 784

>H84113

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SEQ ID NO: 785

>AA477082

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SEQ ID NO: 786

>Z73903

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SEQ ID NO: 787

>M81882

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SEQ ID NO: 788

>AA401448

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SEQ ID NO: 789

>T84762

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SEQ ID NO: 790

>T87069

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SEQ ID NO: 791

>AA424743

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SEQ ID NO: 792

>AA489331

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SEQ ID NO: 793

>T67104

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SEQ ID NO: 794

20 >R65792

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30 SEQ ID NO: 795

>T90621

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SEQ ID NO: 796

>AA464067

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SEQ ID NO: 797

>AA291163

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SEQ ID NO: 798

>N53024

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SEQ ID NO: 799

25 >AA398230

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SEQ ID NO: 800

35 >H21107

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45 SEQ ID NO: 801

zd20g08.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:341246 3'

similar to WP:ZK970.2 CE02402 CLPP-LIKE PROTEASE ;, mRNA sequence

gi|1365390|gb|W58658.1|W58658[1365390]

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10 SEQ ID NO: 802

zw32b03.r1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:770957 5',
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SEQ ID NO: 803

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similar to gb:M93056 LEUKOCYTE ELASTASE INHIBITOR (HUMAN);, mRNA
sequence

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(54) Title: EXPRESSION PROFILES AND METHODS OF USE

(57) Abstract: The present invention relates to gene expression profiles, algorithms to generate gene expression profiles, microarrays comprising nucleic acid sequences representing gene expression profiles, methods of using gene expression profiles and microarrays, and business methods directed to the use of gene expression profiles, microarrays, and algorithms. The present invention further relates to protein expression profiles, algorithms to generate protein expression profiles, microarrays comprising protein-capture agents that bind proteins comprising protein expression profiles, methods of using protein expression profiles and microarrays, and business methods directed to the use of protein expression profiles, microarrays, and algorithms.



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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, E	POOLE et al. Altered Patterns of Cellular Gene Expression in Dermal Microvascular Endothelial Cells Infected with Kaposi's Sarcoma-associated Herpesvirus. Journal of Virology. April 2002, Vol 76, No. 7, pages 3395-3420	1, 3-4, 6-90
A, P	US 6,316,197 B1 (DAS et al) 13 November 2001 (13.11.2001), entire document.	1-90
A	US 5,840,484 A SEILHAMER et al) 24 November 1998(24.11.1998), entire document.	1-90
A, E	US 6,403,316 B1 (SKALITER et al) 11 June 2002(11.06.2002), entire document.	1-90



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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